

Product Catalogue

CABLES



Fiber Cable



Data Cables



Co-Axial Cable



CCTV Cable 3+1

FTTx



LIU/FMS



Fat Box



Patch Cords



PLC Splitters

TEST EQUIPMENTS



Fusion Splicer



OTDR



Power Meter



Accessories



www.cableshopee.com 

#buildingnetwork
Since 1993

Comtech Digitronics Pvt. Ltd.

founded by a cable operator in 1993 (formerly known as Cableshopee), in its quest to bring innovative low cost solutions to the Indian cable operator and ISP, has become the fastest growing company in the cable tv and networking industry.

Our main strength is our team of highly committed and experienced professionals combined with a huge infrastructure of over 40,000 sq feet of manufacturing facilities. We have been assessed & approved for OEM listing on one of the most reputed government e-Commerce portal GEM for the following products range that includes Optical Fiber Cable, CAT 6, CAT 5e, Coaxial Cable, Patch Cords, CCTV 3+1 Cable, Media Converters, FAT Boxes and LIU/FMS, ONU, ONT range etc. This makes us the only company in the industry with a footprint in all the verticals of the Cable TV, ISP networking Industry, Govt. PSU's and Corporate. Furthermore, OFC testing equipment such as ARC Fusion splicing Machine, OTDR, Power Meters, Visual Fault locator etc.

We have the distinction of being the most innovative company that has launched many products made in India which has enabled cable operators to BUILD STRONGER AND RELIABLE NETWORKS.



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Optical Fiber Cable



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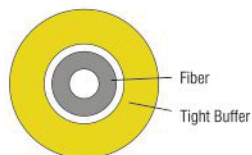


Networking Switch

TIGHT BUFFER FIBER

Characteristic:

- Excellent stripping performance
- Suited to SM fiber and MM fiber (9µm, 50µm and 62.5µm)
- It is ideal choice of active apparatus used pigtail
- Excellent temperature performance
- Buffer material: PVC | LSZH



Product Details

Geometrical Characteristics		
Model	TBF0.9	TBF0.6
TBF Diameter (µm)	900±50	600±50
TBF Weight (kg/km)	0.9	0.4
Fiber Cladding Diameter	125±1	125±1

Mechanical Characteristics			
Max load (N)	Long Term	3	3
	Short Term	6	6
Bending Radius(CM)	Dynamic	20xD	
	Static	10xD	

Fiber	
Fiber Type(core/cladding dimension)	9/125, 50/125, 62.5/125

Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation (db/km)	≤0.4/0.3	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth (MHz km)		≥400/400	≥160/500

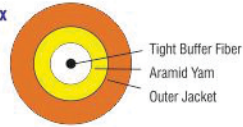
Environmental Characteristics	
Storage Operating Temperature	-20° C~+ 60° C

SIMPLEX/DUPLEX CABLE

Characteristic:

- 900µm tight buffer fiber, aramid Yarn, flame-retardant jacket
- Excellent stripping performance of tight buffer fiber
- Suited to SM fiber and MM fiber (50 u m and 62.5µm)

Simplex Cable



Duplex Cable



Geometrical Characteristics

Simplex Model	SX30	SX24	SX20	SX18	SX16
Cable Dimension(mm)	2.8±0.05	2.35±0.05	1.95±0.05	1.75±0.05	1.55±0.05
Cable Weight(kg/km)	5.8±10%	4.5±10%	3.2±10%	3.1±10%	3.0±10%
TBF Diameter(µm)	900±150		or 600±150		
Duplex Model	DX30	DX20	DX18	DX16	
Cable Dimension(mm)	2.85±0.1/5.8±0.2	1.95±0.05/3.9±0.1	1.75±0.05/3.6±0.1	1.55±0.05/3.2±0.1	
Cable Weight(kg/km)	11.6±10%	7.5±10%	7.2±10%	7±10%	
TBF Diameter(µm)	900±150		or 600±150		

Mechanical Characteristics

Tensile Strength (N)	Long Term	60
	Short Term	100
Crush Resistance (N/100mm)	Long Term	100
	Short Term	500
Bending Radius(CM)	Dynamic	20xD (D:TBF Diameter)
	Static	10xD (D:TBF Diameter)

Fiber

Fiber Type (core/cladding dimension)	9/125, 50/125, 62.5/125
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Transmission Characteristics

	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation (db/km)	≤0.4/0.3	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth (MHZ km)		≥400/400	≥160/500

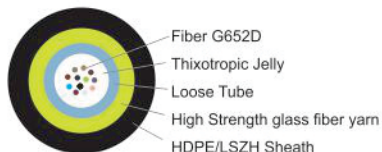
Environmental Characteristics

Storage Operating Temperature	-20° C--+ 60° C
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UNITUBE NON-METALLIC MICRO CABLE

Description:

The fibers, 250um, either of single. mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with thixotropic Jelly. A layer of aramid yarn or high strength glass is applied around the cable core as additional strength member. Then, the cable is completed with a black or color HDPE sheath.



Characteristic:

- Non-metal design can prevent the cable from radio interference and magnetic wave interference;
- Specially designed compact structure is good at preventing loose tubes from Shrinking;
- High strength glass fiber yarn
- Loose tube filling compound ensure good moisture resistance performance;
- Good flexibility:
- High dense fiber packed, small diameter and light weight, it's the better option for blowing installation process.

Optical Characteristics				
Colors Details	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural (Natural as applicable and each have a natural fiber)			
Type		G.652	50/175µm	62.5/125µm
Attenuation(±20°C)	850nm		≤3.0dB/km	≤0.30dB/km
	1300nm		≤1.0dB/km	≤1.0dB/km
	1310nm	≤0.36dB/km		
	1550nm	≤0.22dB/km		
Bandwidth(Class A)	850nm		≥500MHz·km	≥200MHz·km
	1300nm		≥1000MHz·km	≥600MHz·km
Numerical Aperture			0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wave Length		≤1260nm		

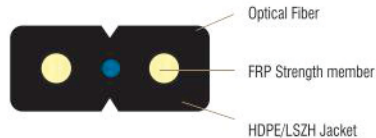
Technical Parameters						
Model	Fiber Count	Cable Od (mm)	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/10cm	Bending Radius Static/Dynamic mm
UTMC42	2-12	4.25	15±3kg	60/150	800N/10cm	10D/20D

Environmental Characteristics	
Storage Operating Temperature	-20°C ~ +70°C

FTTH INDOOR OFC (1F TO 12F)

Characteristic:

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property;
- Two parallel FRP/Steel strength members ensure good performance of crush resistance to protect the fiber;
- Simple structure, light weight and high practicability;
- Novel flute design, easily strip and
- Splice,simplify the installation and maintenance
- PVC, FR-PVC, LSZH sheath.



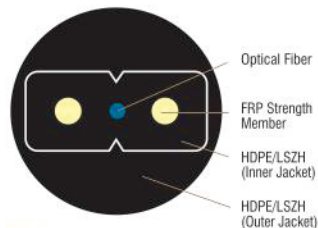
FTTH Indoor Cable



FTTH Figure 8 Cable

Product Details

Geometrical Characteristics		
Model	FTTH-SM2030	
Type	G.657A1/A2	
Attenuation (+20°C)	1310nm	≤0.40dB/km
	1550nm	≤0.3dB/km
Numerical Aperture		
Cable Cut-off Wave Length ≤1260nm		



**FTTHx
Double Jacket Cable**

Technical Parameters

Model	Cable OD (mm)	Cable weight kg/km	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/100mm	Bending Radius Static/Dynamic mm
FTTH-SM2030	(2.0±0.2)×(3.0±0.2)	8	30/60	300/1000	10/30
FTF8-SM2030	(2.0±0.2)×(5.0±0.2)	20	60/120	300/1000	15/35
FTDJ-SM2030	4.5	16	30/60	300/1000	10/30

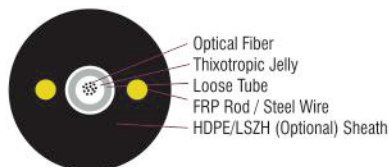
Environmental Characteristics

Storage Operating Temperature	-20°C ~+60°C
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UNITUBE UNARMORED OFC (FRP/STEEL WIRE)

Characteristic:

- Good mechanical and environmental performance;
- High strength loose tube that is filled with thixotropic jelly
- Special tube filling compound ensure a critical protection of fiber;
- Two parallel steel wires ensure tensile strength;
- HDPE/LSZH (Optional) sheath protects cable from ultraviolet radiation;



Standards: cable complies with Standard IEC 60793,60794

Optical Characteristics				
Colors Details	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural (Natural as applicable and each have a natural fiber)			
Type		G.652	50/175 μ m	62.5/125 μ m
Attenuation($\pm 20^{\circ}\text{C}$)	850nm		$\leq 3.0\text{dB/km}$	$\leq 0.30\text{dB/km}$
	1300nm		$\leq 1.0\text{dB/km}$	$\leq 1.0\text{dB/km}$
	1310nm	$\leq 0.36\text{dB/km}$		
	1550nm	$\leq 0.22\text{dB/km}$		
Bandwidth(Class A)	850nm		$\geq 500\text{MHz}\cdot\text{km}$	$\geq 200\text{MHz}\cdot\text{km}$
	1300nm		$\geq 1000\text{MHz}\cdot\text{km}$	$\geq 600\text{MHz}\cdot\text{km}$
Numerical Aperture			$0.200\pm 0.015\text{NA}$	$0.275\pm 0.015\text{NA}$
Cable Cut-off Wave Length		$\leq 1260\text{nm}$		

Technical Parameters							
Model	Fiber Count	Cable Od (mm)	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/10cm	Bending Radius Static/Dynamic mm	
UTUNS/F/45	2-4	4.5	16 $\pm 5\%$	300	800N/10cm	10D/20D	
UTUNS/F/50	2-12	5.0	18 $\pm 5\%$	400	1000N/10cm	10D/20D	
UTUNS/F/55	2-12	5.5	23 $\pm 5\%$	400	1000N/10cm	10D/20D	
UTUNS/F/58	2-12	5.8	25 $\pm 5\%$	400	1000N/10cm	10D/20D	
UTUNS/F/60	2-12	6.0	28 $\pm 5\%$	400	800N/10cm	10D/20D	
UTUNS/F/62	2-12	6.2	30 $\pm 5\%$	500	1000N/10cm	10D/20D	
UTUNS/F/65	2-12	6.5	34 $\pm 5\%$	700	1000N/10cm	10D/20D	
UTUNS/F/75	2-24	7.5	40 $\pm 5\%$	800	1000N/10cm	10D/20D	

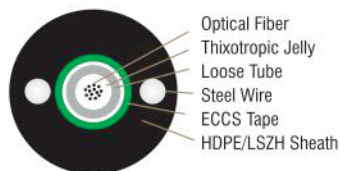
Environmental Characteristics	
Storage Operating Temperature	-20 $^{\circ}\text{C}$ ~ +70 $^{\circ}\text{C}$

UNITUBE ARMORED OFC

The fibers, 250um, are positioned in a loose tube made of a high modulus plastic. Two parallel steel wires are placed at the two sides of the ECCS Steel Tape.

Characteristic:

- Good mechanical and environmental performance;
- High strength loose tube that is filled with thixotropic jelly.
- Thixotropic jelly compound ensure critical protection of fiber;
- Crush resistance and flexibility;
- Armoring with ECCS Tape for enhanced protection
- Two parallel steel wires ensure tensile strength;
- Small diameter, light weight and friendly installation;



Standards: Cable complies with Standard IEC 60793,60794

Optical Characteristics				
Colors Details	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural (Natural as applicable and each have a natural fiber)			
Type		G.652	50/175µm	62.5/125µm
Attenuation(±20°C)	850nm		≤3.0dB/km	≤0.30dB/km
	1300nm		≤1.0dB/km	≤1.0dB/km
	1310nm	≤0.36dB/km		
	1550nm	≤0.22dB/km		
Bandwidth(Class A)	850nm		≥500MHz·km	≥200MHz·km
	1300nm		≥1000MHz·km	≥600MHz·km
Numerical Aperture			0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wave Length		≤1260nm		

Technical Parameters						
Model	Fiber Count	Cable Od (mm)	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/10cm	Bending Radius Static/Dynamic mm
UTA275	2	7.5	60±5kg	800/1500	2000N/10cm	10D/20D
UTA475	4	7.5	60±5kg	800/1500	2000N/10cm	10D/20D
UTA675	6	7.5	60±5kg	800/1500	2000N/10cm	10D/20D
UTA1275	12-24	7.5	60±5kg	800/1500	2000N/10cm	10D/20D

Environmental Characteristics	
Storage Operating Temperature	-20°C -- +70°C

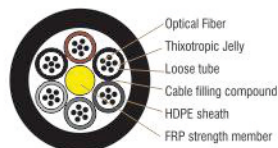
MULTI TUBE UNARMORED OFC (12F to 96F)

Characteristic:

- Good mechanical and temperature performance.
- High strength loose tube that is hydrolysis resistant.
- Special tube filling compound ensure a critical protection of fiber.
- Crush resistance and flexibility.
- The following measures are taken to ensure the cable watertight :

-Single Fiber Reinforced Plastic as the central strength member.

-Loose tube filling compound.



Optical Characteristics				
Type		MLTUN/SM	MLTUN/MM50	MLTUN/MM625
Attenuation($\pm 20^{\circ}\text{C}$)	@850nm		50/125 μm	625/125 μm
	@1300nm		$\leq 0.30\text{dB/km}$	$\leq 0.30\text{dB/km}$
	@1310nm	$\leq 0.36\text{dB/km}$		
	@1550nm	$\leq 0.22\text{dB/km}$		
Bandwidth(Class A)	@850nm		$\geq 500\text{MHz}\cdot\text{km}$	$\geq 200\text{MHz}\cdot\text{km}$
	@1300nm		$\geq 1000\text{MHz}\cdot\text{km}$	$\geq 600\text{MHz}\cdot\text{km}$
Numerical Aperture			0.200 \pm 0.015NA	0.275 \pm 0.015NA
Cable Cut-off Wave Length		$\leq 1260\text{nm}$		

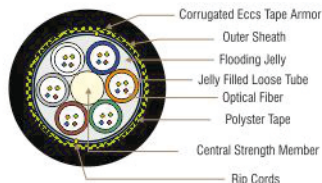
Optical Characteristics								
Model	Fiber Count	Tubes	Fillers	Cable Odmm	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Resistanre Long Short Term N/100mm	Bending Radius Static/Dynamic mm
MLTUNF3/3	6-12	3	3	8.5	65 \pm 5%	1000	200N/CM	10D/20D
MLTUNF4/2		4	2	8.5	65 \pm 5%	1000	200N/CM	10D/20D
MLTUNF6/0		6	0	8.5	65 \pm 5%	1000	200N/CM	10D/20D
MLTUNF6/0	24	6	0	8.5	65 \pm 5%	1000	200N/CM	10D/20D
MLTUNF4/2		4	2	9.0	65 \pm 5%	1000	200N/CM	10D/20D
MLTUNF4/4	48	4	4	10	85 \pm 5%	1000	200N/CM	10D/20D
MLTUNF8/0		8	0	10	85 \pm 5%	1000	200N/CM	10D/20D
MLTUNF8/0	96	8	0	11	100 \pm 5%	1000	200N/CM	10D/20D

Environmental Characteristics	
Storage Operating Temperature	-40 $^{\circ}\text{C}$ -- +70 $^{\circ}\text{C}$

MULTI TUBE ARMORED OFC (12F to 96F)

Characteristic:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
 - Steel wire used as the central strength member
 - Loose tube filling compound
 - 100% cable core filling
 - Water-blocking material



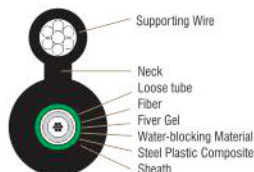
Optical Characteristics				
Type		ARM/MLT/SM	ARM/MLT/MM50	ARM/MLT/MM625
Attenuation($\pm 20^{\circ}\text{C}$)	@850nm		50/125 μm	625/125 μm
	@1300nm		$\leq 0.30\text{dB/km}$	$\leq 0.30\text{dB/km}$
	@1310nm	$\leq 0.36\text{dB/km}$		
	@1550nm	$\leq 0.22\text{dB/km}$		
Bandwidth(Class A)	@850nm		$\geq 500\text{MHz}\cdot\text{km}$	$\geq 200\text{MHz}\cdot\text{km}$
	@1300nm		$\geq 1000\text{MHz}\cdot\text{km}$	$\geq 600\text{MHz}\cdot\text{km}$
Numerical Aperture			0.200 \pm 0.015NA	0.275 \pm 0.015NA
Cable Cut-off Wave Length		$\leq 1260\text{nm}$		

Optical Characteristics								
Model	Fiber Count	Tubes	Fillers	Cable OD (mm)	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Besistanre Long Short Term N/100mm	Bending Radius Static/Dynamic mm
MLTARF3/3	6-12	3	3	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF4/2		4	2	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF6/0		6	0	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF6/0	24	6	0	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF4/2		4	2	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF4/4	48	4	4	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF8/0		8	0	10	100 \pm 5%	1000	200N/CM	10D/20D
MLTARF8/0	96	8	0	12.5	165 \pm 5%	1000	200N/CM	10D/20D

Environmental Characteristics	
Storage Operating Temperature	-40 $^{\circ}\text{C}$ ~ +70 $^{\circ}\text{C}$

FIGURE 8 OFC

Description: The fibers, 250 μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Steel wires and loose tubes filled with thixotropic jelly to ensure compact and longitudinally water blocking, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure.



Characteristic:

- High tensile strength of single strand wire/stranded wires to meet the requirement of self-supporting and reduce the installation cost;
- Good mechanical and temperature performance;
- High strength loose tube that is hydrolysis resistant;
- Special tube filling compound ensure a critical protection of fiber;
- Small diameter, light weight and friendly installation;
- Long delivery length and low price;

Optical Characteristics				
Type		FIG-8SM	FIG-8MM50	FIG-8MM625
Attenuation($\pm 20^{\circ}\text{C}$)	@850nm		50/125 μm	625/125 μm
	@1300nm		$\leq 0.30\text{dB/km}$	$\leq 0.30\text{dB/km}$
	@1310nm	$\leq 0.36\text{dB/km}$		
	@1550nm	$\leq 0.22\text{dB/km}$		
Bandwidth(Class A)	@850nm		$\geq 500\text{MHz}\cdot\text{km}$	$\geq 200\text{MHz}\cdot\text{km}$
	@1300nm		$\geq 1000\text{MHz}\cdot\text{km}$	$\geq 600\text{MHz}\cdot\text{km}$
Numerical Aperture			0.200 \pm 0.015NA	0.275 \pm 0.015NA
Cable Cut-off Wave Length		$\leq 1260\text{nm}$		

Technical Parameters								
Model	Fiber Count	Cable Odmm	Cable Weight kg/km	Supporting Wire Spec	Connection Diameter	Tensile Strength Long Short Term	Crush Resistanre Long Short Term N/100mm	Bending Radius Static/Dynamic mm
FIG-8SM	12-96	5.5 \times 13	85 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	800/1200	300/1000	80/160
FIG-8MM50	12-96	5.5 \times 13	85 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	800/1200	300/1000	90/180
FIG-8MM625	12-96	5.5 \times 13	85 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	800/1200	300/1000	90/180

Environmental Characteristics	
Storage Operating Temperature	-20 $^{\circ}\text{C}$ ~ +70 $^{\circ}\text{C}$

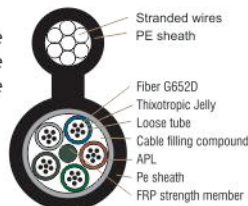
FIGURE 8 MULTI TUBE OFC

Description:

The fibers, 250 μ m, are positioned in a loose tube made of high modulus plastic. The tubes are filed with a water-resistant filling compound. A FRP Rod locators in the center of core as a non metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core.

Characteristic:

- High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost
- Good mechanical and temperature performance
- High strength loose tube that is filled thixotropic jelly compound fiber to ensure a critical protection of
- The following measures are taken to ensure the cable watertight :
-FRP ROD used as the central strength member
-100% cable core filling



Optical Characteristics				
Type		F-8/MLT/SM	F-8/MLT/MM50	F-8/MLT/MM625
Attenuation($\pm 20^{\circ}\text{C}$)	@850nm		50/125 μ m	625/125 μ m
	@1300nm		$\leq 0.30\text{dB/km}$	$\leq 0.30\text{dB/km}$
	@1310nm	$\leq 0.36\text{dB/km}$		
	@1550nm	$\leq 0.22\text{dB/km}$		
Bandwidth(Class A)	@850nm		$\geq 500\text{MHz}\cdot\text{km}$	$\geq 200\text{MHz}\cdot\text{km}$
	@1300nm		$\geq 1000\text{MHz}\cdot\text{km}$	$\geq 600\text{MHz}\cdot\text{km}$
Numerical Aperture			0.200 \pm 0.015NA	0.275 \pm 0.015NA
Cable Cut-off Wave Length		$\leq 1260\text{nm}$		

Technical Parameters								
Model	Fiber Count	Cable Odmm	Cable Weight kg/km	Supporting Wire Spec	Connection Diameter	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/100mm	Bending Radius Static/Dynamic mm
F-8/MLT/SM	12-96	8.2x15	105 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	1000/2500	300/1000	80/160
F-8/MLT/MM50	12-96	8.2x15	105 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	1000/2500	300/1000	90/180
F-8/MLT/MM625	12-96	8.2x15	105 \pm 5%	Stranded wires or Single Strand	H x W 2.0 x 2.0mm	1000/2500	300/1000	90/180

Environmental Characteristics	
Storage Operating Temperature	-20 $^{\circ}\text{C}$ - +70 $^{\circ}\text{C}$

DOUBLE SHEATH LOOSE TUBE NON-METALLIC OFC

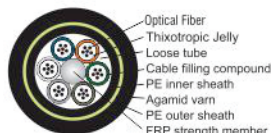
Characteristic:

- Good mechanical and temperature performance
- Aramid yarn ensures good performance of tensile strength
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:

-Single Fiber Reinforced Plastic as the central strength member

-Loose tube filling compound

Standards: cable complies with Standard IEC 60793,60794



Optical Characteristics					
Type		G.652	G.655	50/125µm	62.5/125µm
Attenuation(±20°C)	@850nm			≤0.30dB/km	≤0.30dB/km
	@1300nm			≤1.0dB/km	≤1.0dB/km
	@1310nm	≤0.36dB/km	≤0.40dB/km		
	@1550nm	≤0.22dB/km	≤0.23dB/km		
Bandwidth(Class A)	@850nm			≥500MHz·km	≥200MHz·km
	@1300nm			≥1000MHz·km	≥600MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wave Length		≤1260nm	≤1480nm		

Optical Characteristics								
Model	Fiber Count	Tubes	Fillers	Cable OD(mm)	Cable Weight kg/km	Tensile Strength Long Short Term	Crush Resistance Long Short Term N/100mm	Bending Radius Static/Dynamic mm
MLTF/DS/3/3	6-12	3	3	10.5	105	600/1500	300/1000	10/20D
MLTF/DS/4/2	24	4	2	10.5	105	600/1500	300/1000	10/20D
MLTF/DS/4/4	48	4	4	11.0	115	600/1500	300/1000	10/20D
MLTF/DS/6/0	72	6	0	12.0	125	600/1500	300/1000	10/20D
MLTF/DS/8/0	96	8	0	13.0	145	600/1500	300/1000	10/20D

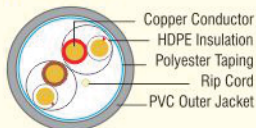
Environmental Characteristics	
Storage Operating Temperature	-40°C ~+70°C

DATA CABLE

23AWG | 24AWG

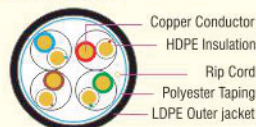


CAT 5e 2 Pair



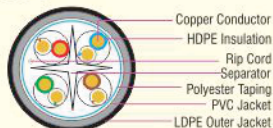
PVC COATED

CAT 5e 4 Pair



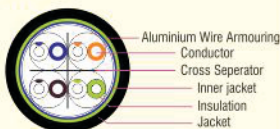
LD COATED

CAT 6



DOUBLE COATED

CAT 6



ARMoured

CAT 6



SHIELDED

Description

Comtech Cat-6 UTP cable has been designed from inception to guarantee optimal support of Hi-Speed data protocols delivering above 1 Gbps performance to the workstation. It specifically addresses all of the new additional electrical performance levels required by Hi-Speed applications operating in full duplex mode including Far End Crosstalk (FEXT) and Balance Requirements. The cable is guaranteed to exceed all Category 6 performance criteria.

Colour code

C ² member	Transparent with Nylon centre
Pair 1	White/Blue
Pair 2	White/Orange
Pair 3	White/Green
Pair 4	White/Brown

Technical data - physical

	4 Pair PVC
Conductor diameter (mm)	0.55
Insulation diameter (mm)	0.95
Cable diameter (mm)	6.0
Nominal cable weight (kg/km)	43
Copper weight (kg/km)	18
Max. installation tension (N)	100
Min. bend radius - operation (mm)	25
Min. bend radius - installation (mm)	50
Fire behaviour IEC 332.1	Yes
Fire load (M ₂ /km)	480

Mutual Capacitance	56nF/Km
DC resistance	70 V /Km
Skew	<15 ns/100m
Velocity of Propagation	68%
Propagation delay	53ns/100m @ 250 MHz
Characteristic Impedance	100 ± 15 V
Coupling attenuation	45 dB @30MHz

Features

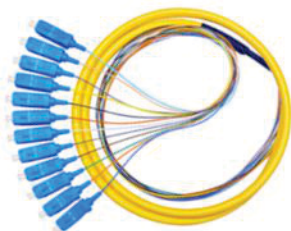
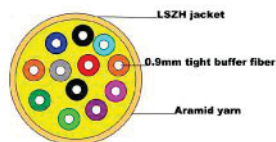
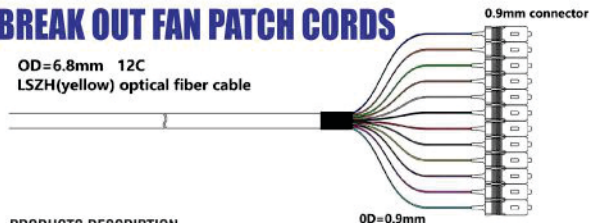
Bare Solid Copper Conductor in 0.36, 0.38, 0.41, 0.45, 0.51 & 0.57
Color Coded PE Insulation
STP Also Available (Shielded Twisted Pair Cable)
Available in PVC, LSZH, FR-PVC Jacket

AVAILABLE IN CCA & COPPER

CAT6-U/UTP | CAT6-SF/UTP | CAT6-STP | CAT6-ARMORED

BREAK OUT FAN PATCH CORDS

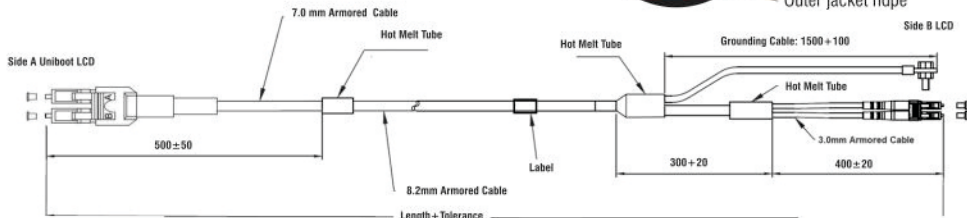
OD=6.8mm 12C
LSZH(yellow) optical fiber cable



PRODUCTS DESCRIPTION

Parameter	Unit	Value
Connector Type		FC/UPC, FC/APC, SC/UPC, LC/UPC, LC/APC, ST/PC, MPD
Fiber Type		Multi-Mode Single Mode
Insertion Loss	dB	Max. ≤ 0.2 Max. ≤ 0.3
Return Loss(Typ.)	dB	≥ 36 (no APC connector) /PC /UPC /APC
Repeatability	dB	≤ 0.1 ≥ 45 ≥ 50 ≥ 60
Interchangeability	dB	≤ 0.2
Connection Durability	times	≥ 1000
Operating/Storage Temperature	°C	-40~+80

CPRI ASSEMBLIES



Frontview LC duplex

From Side A	To Side A
A	A
B	B



Frontview LC duplex

Name	Description
Connector side A	uniboot LC/APC Duplex, single mode
Connector side B	LC/APC Duplex, single mode
Main cable	8.2mm armored cable, HDPE, Black
Branch cable	3.0mm, armored cable, LSZH, Black

Grounding kit

Grounding cable	6mm ² -1.5m, BV copper wire class2, Black
Nut	M8, Stainless steel
Bolt	M8x25, Stainless steel
Lug	Copper, Tined

Fiber	SM G657A2 9/125um according to ITU-T G.657
Fiber count	2
Cable diameter	8.2(+0.1, -0.3) mm
Jacket material	HDPE, Black, UV resistance
Inner jacket diameter	3.8±0.2mm
Inner jacket material	LSZH Black
Tight buffer diameter	0.90±0.05mm
Strength member	Water-block aramid yarn

OPTICAL FIBER PATCH CORD

Available Fiber G 657A1, G 657A2

Customized Length | Connector As Per Order

SINGLE MODE SIMPLEX

(2.0MM | 3.0MM)



SC | UPC / SC | UPC



LC | UPC / LC | APC



LC | UPC / ST | UPC



LC | UPC / FC | UPC



SC | APC / SC | APC

SINGLE MODE DUPLEX



LC | UPC / SC | UPC



SC | UPC / SC | UPC



LC | UPC / ST | UPC



FC | APC / FC | APC



LC | UPC / LC | UPC

MULTI MODE - OM1, OM2, OM3, OM4



LC | UPC / LC | UPC



SC | UPC / SC | UPC



LC | UPC / SC | UPC



FC | UPC / FC | UPC



LC | UPC / FC | UPC

SINGLE / MULTI MODE PIGTAILS (0.9MM)

Tight Buffered



0.9 MM
TIGHT BUFFERED



SC | APC | 1M



LC | UPC | MM | 1M



SC | UPC | 1M



LC | UPC | MM | 1M

Connector	SC, LC, FC, ST								
	UPC (SM)		APC (SM)		UPC (MM)				
Insertion Loss(db)	≤0.2								
Return Loss(db)	≥50		≥60		≥35				
Cable Diameter (mm)	3.0mm								
Durability(db)	1000matings, <0.3								
Interchangeability (db)	<0.2								
Operating temperature (°C)	-40~+85								
Cable Diameter (mm)	Fiber Diameter (mm)	Cable Weight (gm/m) approx	Tensile Strength (N)		Crush Strength (N)		Min. Bending Radius		Temperature Range (°C)
			Long term	Short term	Long term	Short term	Long term	Short term	
2.0 / 3.0	0.9	11.0	200	400	1000	3000	100	200	-20~+60

FUSION SPLICER

4 MOTOR | TFT TOUCH SCREEN

CT 62C



SALIENT FEATURES

- 4 motors accurate core to core alignment
- 6 seconds splicing & 20 seconds heating
- Automatic & real-time ARC calibration
- Heating temperature and time both adjustable
- Automatic splicing and heating, easy to operate
- Anti-shock, Anti-vibration, Dust-proof & Waterproof
- Apply to bare fiber, pigtails, drop cable etc.

SPECIFICATION

Alignment method	4 motors core to core alignment
Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655)
Cladding diameter	80-150μm
Coating diameter	160-1000μm
Cleaved length	5-16mm (coating diameter < 250um) 16mm (coating diameter: 250-1000um)
Typical splice loss	SM: 0.02dB; MM: 0.01dB; DS: 0.04dB; NZDS: 0.04dB
Return loss	>-60dB
Splicing program	40 groups
Operation mode	Manual/Automatic
Auto-heating	Available
Typical splice time	6 seconds
Typical heating time	20 seconds for 60mm and 40mm shrinkable sleeves
Fiber magnification	250X(X or Y view), 125X(X and Y view)
Viewing display	Dual high sensitivity camera, 4.3 inch 800*480 LCD Monitor, touch screen optional
Data storage	8000 groups data records
Loss evaluation	Available
Tension test	1.8-2.25N
Interface	GUI menu interface, easy for operation
Battery capacity	5200mAh Li-battery, 250 cycles splicing and heating
Power supply	Adaptor input: AC100-240V(50/60HZ), output: DC11-13.5V
Electrode life	More than 4000 ARC discharges, easy to replace
Terminals	USB 2.0 port. for software upgrading, records exporting
Operating	Altitude 0-5000m Humidity:0-95%, Temperature: -10°C~ +50°C Wind: max 15m/s
Dimension/Weight	157mm (L)x136mm (W)x140mm (H)/2. 10kg (including battery)

In box content



FUSION SPLICER

6 MOTORS ACCURATE CORE TO CORE ALIGNMENT

CT 96
17

SALIENT FEATURES

- 6 motors accurate core to core alignment
- Identify fiber types(SM/MM) automatically
- 6 seconds splicing & 18 seconds heating
- Automatic & real-time ARC calibration
- Industrial quad-core CPU with 30% power saving
- Real-time heating temperature monitoring
- Anti-shock, anti vibration, dustproof & waterproof
- Apply to 250um/0.9mm/2.0mm/3.0mm fibers
- Temperature range of -10 °C ~ +50 °C e etc.



WATER PROOF | DUST PROOF | SHOCK PROOF | VIBRATION PROOF

SPECIFICATION

Alignment method	6 motors core to core alignment
Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655)
Cladding diameter	80 - 150um
Coating diameter	160-1000pm
Cleaved length	5-16mm (coating diameter < 250um), 16mm (coating diameter:250-1000um)
Typical splice loss	SM: 0.02dB; MM: 0.01dB; DS: 0.04dB; NZDS: 0.04dB
Return loss	> 60dB
Splicing program	40 groups
Operation mode	Manual/ Automatic
Auto- heating	Available
Typical splice time	6 seconds
Typical heating time	18 seconds for 60mm and 40mm shrinkable sleeves
Fiber magnification	250X(X or Y view), 125X(X and Y view)
Viewing display	Dual high sensitivity camera, 5 inch 800*480 LCD Monitor
Data storage	4000 groups data records
Loss evaluation	Available
Tension test	1.8~2.25N ~
Interface	GUI menu interface, easy for operation
Battery capacity	5200mAh Li-battery, 300 cycles splicing and heating
Power supply	Adaptor, input: AC100-240V(50/60HZ), output: DC11-13.5V
Electrode life	More than 4000 ARC discharges, easy to replace
Terminals	USB 2.0 port, for software upgrading, records exporting
Operating	Altitude:0-5000m, Humidity:0-95%, Temperature:-10 °C ~ +50 °C; Wind: max 15m/s
Dimension/Weight	156mm (L)x141mm (W)x156mm (H) /2.45kg (including battery)

In box content



Carrying Box



Fiber Cleaver

Strap

User Manual

Spare Electrode

Fusion Splicer

Cooling Tray

Fiber Stripper

IPA Bottle

OTDR

CT-350



Salient Features

- 7 inch capacitive touching screen
- Visual Fault Locator function
- Optical Power meter function
- Optical Light Source function
- IOLM Function
- Multi-wavelengths: 1310/1550nm
- Fiber Microscope (x400) Optional
- Integrated design, smart and rugged.
- Small and light ,easy to carry.
- 1625nm online detection module with filter is available as a option for a online FTTx/PON detection.
- Multi-measuring mode, simple to use, finish measurement by just one button.
- Realtime measuring function, convenient to monitor the splicing process.
- Internal large power visual laser source for accurate positioning the closer fault point.
- Internal -5dBm stable laser source.
- Warning function could prevent module of OTDR damaged by optical signal.
- Integrated with 2 main USB and one sub USB port, for controlling by PC or connect external instrument.
- Support English input, friendly interface, analog keyboard capable.
- Integrated with 8G internal memory. Storage more than 80000 groups curve.
- Provide data simulation software to process, generate and print report. Battery indicate function.
- Long working hours for outdoor operation

RANGE **120KM**

Technical Features

Testing Wavelength	1310/1550nm
Dynamic Range	32/30 dB
Event Dead Zone	0.8m
Attenuation Dead Zone	4m
Pulse Width	3ns,5ns,10ns,20ns,50ns,100ns,200ns,500ns
Measurement Time	Real time measurement function
Linearity	≤ 0.05 dB /dB
Loss Threshold	0.01 dB
Sampling Point Maximum	128000 Points
Internal Visual Source	10mw, CW/2Hz
Stable Laser Source	> -5dBm
Data Storage	80000 Groups of Curve
Interface	3 USB Port
Battery Backup	7.4V/6.6 Ah Lithium Battery, Up to 8-10 Hrs
Adapter	SC Bare Fiber Adapter
Accessories	Main unit, 8.4V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case
Dimensions	230X185X70mm / 1.5Kg

OTDR

CT 292

EventMap
80KM Range
Auto OTDR

OPM
VFL
OLS



Loss Test
RJ45 Sequence
RJ45 Tracker



RANGE

80KM

Salient Features

- RANGE80KMMODELCT292Two wavelength 1310/1550nm
- Measurement distance: 80km
- Capacitive touching screen, clear, sensitive touch and quick response, can operate by both key and touching screen.
- Test record is saved as SDR format.
- Standard function: OTDR, Event Map, Optical Power Meter, Optical Light
- Source, VFL, Optical Loss Test, RJ45 Sequence, Flash-Light.
- Keyboard input, can edit and save file name and line number.
- Support user upgrading.
- With USB and TF card data interface, easy to export curve data.
- Fast startup, only 2 seconds to test

Technical Features

Testing Wavelength	1310/1550nm
Dynamic Range	24/22 dB
Type of Connector	SC APC
Attenuation Dead Zone	12m
VFL Wavelength	650nm
Output Power	> =10mW
Mode	2Hz
OPM Measurement Range	-50 ~ + 26 dBm
Wavelength Range	800~1650
Detector In	GaAs
Accuracy	< ± 3% (-10dBm)
Resolution	Linearity 0.1%, Non Linearity 0.01 dBm
Connector	2.5mm Universal Interface
OLS Emitter	FP-LD
Storage of Records	>100,000 Groups
Wavelength Connector	Same with OTDR Wavelength SC/ST Optional
Output Stability	± 0.04 @ 20° @ 15min
Output Power	≥ -5dBm
Modulation	CW/270Hz/1Hz/2KHz
Fiber Type	SM
LCD Screen Size	4.3 inch, 800*480 Pixels, IPS Capacitive Touch Screen
Battery	Lithium-Ion battery > 5000 Tests
Dimensions	185*105*50 (mm)
Weight	530 gm

OTDR

HANDY OTDR

CT 290



OTDR

Wavelength 1310/1550nm
Dynamic range 22/20db
Range 0-60 km.

OPTICAL POWER METER

Wavelength 800~1650
Range -50~+26dBm

VISUAL FAULT LOCATOR

Wavelength 1310/1550nm
Output Power ≥ -5 dBm
Mods CW | 1KHz | 2KHz

OPTICAL LIGHT SOURCE

Wavelength 650 ± 10 nm
Power ≥ 10 mw

1. OTDR

Wavelength	1310/1550nm
Dynamic Range	22/20 dB
Measure Distances	0-60 km
Fiber Type	Single Mode
Type of Fiber	9/125 μ m Single-mode optical fiber
Type of Connectors	FC/PC : SC/PC
Peak Value of laser	30 mW
UOM of Measurement	Meter, Feet, Mile
Dead Zone of Reflection Event	2 m
Dead Zone of attenuation Event	12 m
Accuracy Distance	
(Reflection Event)	About $\#(1m+2*10^{(-4)}* \text{distance})$
Number of test records saved	100
Power Supply	8.4V Li-ion Battery 4400 mAh
Battery working time	5,000 times of measurements
Temperature	Operate -5-50°C
Weight(g)	300

2. Visual Fault Locator

Wavelength	650nm
VFL Out Power	10mW
Measure Distances	0Hz, 1Hz, 2Hz
Fiber Type	5M/MM

3. Optical Power Meter

Measurement range dBm	-50~ +26 dBm
Wavelength range(nm)	800~ 1650
Calibrated wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
Detector	InGaAs
Accuracy	< *3% (-10dBm, 22°C)
Resolution	Linearity : 0.1%, Non-linearity : 0.01dBm
Connector	Moveable FC/PC, SC/PC. (ST as Optional)

4. Optical Light Source

Emitter	FP-LD
Wavelength (nm)	1310/1550nm
Connector	FC/PC (SC/ST as optional)
Output Power	-5dBm
Output stability(dBm)	+0.04@20°C@15min
Modulation	CW/270Hz/1KHz/2KHz
Fiber Type	SM

OPTICAL POWER METER

CT 520 SINGLE FUNCTION



Salient Features

- COMPACT DESIGNED
- OPTICAL POWER TEST RANGE 800–1700nm
- MEASUREMENT RANGE IS -50--+26dBm
- HIGH ACCURACY, HIGH SENSITIVITY, HIGH LINEARITY
- FC-PC/SC-PC CONNECTORS
- LOWER POWER CONSUMPTION, LONG STANDBY TIME
- AUTO SHUT DOWN & SELF CALIBRATION FUNTION

POWER OF 3 OPTICAL POWER METER VISUAL FAULT LOCATOR RJ45 TESTER

CT 263



Salient Features

- SELF CALIBRATION.
- DETECTOR InGaAs
- RJ 45 TESTER
- 10 mw STABLE VFL OUTPUT.
- 2200 LI-ION BATTERY.
- MEASUREMENT RANGE IS -50--+26dBm.
- WAVE LENGTH RANGE (nm) 800-1700
- FC/SC & 2.5 UNIVERSAL CONNECTOR.
- WAVELENGTH MEMORY FUNCTION.
- HIGH ACCURACY, HIGH SENSITIVITY, HIGH LINEARITY.
- USB CHARGE PORT.
- AUTO OFF FEATURE.
- LOWER POWER CONSUMPTION, LONG STANDBY TIME.
- RUBBER ARMOR FOR EXTRA PROTECTION.

DIGITAL + ANALOG + POWER METER 2250 DAP

WITH MER & BER

Specifications:

PRE-LOADED DIGITAL CHANNEL PLAN
MEASURE DIGITAL AVERAGE PEAK POWER
ANALYZE ALL MER & BER, SUPPORTS
ALL QAM CONSTELLATION DIAGRAM
EDITS FREQUENCY, SYMBOL RATE & QAM
7.4V LI-ION BATTERY, CHARGES IN 3 HRS.
OPTICAL POWERRANGE -50--+10 dBm
INPUT FREQUENCY RANGE: 48-870 MHZ
DIGITAL SIGNAL LEVEL RANGE: 38-120DBM
RF INPUT IMPEDANCE: 75W
DEMODULATION MODE: PEAK DETECT
ATTENUATOR: AUTOMATIC
POWER PASS VOLTAGE: AC 30-100 V



VISUAL FAULT LOCATOR

CT 291



Rugged Designed
Output Power = 10mW
2.5mm (universal Connector)
Dynamic Distance 8--12km



CT X55C

FIBER CLEAVER

PROFESSIONAL TELECOM QUALITY
more than 48000 time blade life
0.25mm 0.9mm fiber coating diameter
Fiber cleaved length 5--20mm.
16 positions easy to use.
Rubber non-slip bottom pad



LIU / FMS FIXED RACK MOUNT



12 PORT SX

Product name	Rack Mount Fixed	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12/FXD/LIU	Dimensions	482.2*275*51 mm
Ports	12	Product Height	1 U
Max Capacity	24 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	G. weight	2.1kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



24 PORT SC DX

Product name	Rack Mount Fixed	Connector	SC/LC/FC/ST/Euro
Product Model	CT/24DX/FXD/LIU	Dimensions	482.2*276*51 mm
Ports	24	Product Height	1 U
Max Capacity	48 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	G. weight	3.3 kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



48 PORT SC MM SX

Product name	Rack Mount Fixed	Connector	SC/LC/FC/ST/Euro
Product Model	CT/48SX/MM/FXD/LIU	Dimensions	482.2*282*88 mm
Ports	48	Product Height	2 U
Max Capacity	96 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	G. weight	4.2 kg
12 Fibers Splice Tray	up to 8	Standard Color	Siemens Grey
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



MINI LIU RANGE

Product name	Mini	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12SX/Mini/LIU	Dimensions	192*128*42.6 mm
Ports	6	Product Height	1 U
Max Capacity	12 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	Desktop	Weight	600 g
12 Fibers Splice Tray	1	Standard Color	Siemens Grey
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x12 Pcs



DIN RAIL ECO LIU

Product name	Din Rail Eco	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12DX/ECO/LIU	Dimensions	180*130*50.5 mm
Ports	12	Product Height	1 U
Max Capacity	12 (SC/LC Duplex)	Material	Cold Rolled Steel
Installation Type	Din Rail	Weight	600 g
12 Fibers Splice Tray	1	Standard Color	Siemens Grey
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x12 Pcs

DIN RAIL DLX

Product name	Din Rail DLX	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12DX/DLX/LIU	Dimensions	260*182*54 mm
Ports	12	Product Height	1 U
Max Capacity	12 (SC/LC Duplex)	Material	Cold Rolled Steel
Installation Type	Din Rail	Weight	600 g
12 Fibers Splice Tray	1	Standard Color	Black
Work Temperature	-20+60°C	Storage Temperature	-20+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x10 Pcs



Available Connectors Options



LC PC SIMPLEX
Single Mode / Multi Mode



LC PC DUPLEX
Single Mode / Multi Mode



FC PC SIMPLEX
Single Mode



E-2000APC SIMPLEX
Single Mode



SC PC/APC SIMPLEX
Single Mode / Multi Mode



SC PC/APC DUPLEX
Single Mode / Multi Mode



ST PC/APC SIMPLEX
Single Mode

DOUBLE DOOR WALL MOUNT



12 PORT Double Door Wall Mount

Product name	Double Door Wall Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12SX/DDWM/LIU	Dimensions	280W*56D*245H mm
Ports	12	Product Height	245mm
Max Capacity	24 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	Wall Mount	G. weight	1.6 kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x12 Pcs



24 PORT Double Door Wall Mount

Product name	Double Door Wall Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/24SX/DDWM/LIU	Dimensions	296W*56D*285H mm
Ports	24	Product Height	285mm
Max Capacity	48 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	Wall Mount	Weight	2.25 kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x12 Pcs



48 PORT Double Door Wall Mount

Product name	Double Door Wall Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/48SX/DDWM/LIU	Dimensions	370W*87D*428H mm
Ports	48	Product Height	428 mm
Max Capacity	96 (SC/LC Duplex)	Material	Cold Rolled Steel
Installation Type	Wall Mount	G. weight	4.40 kg
12 Fibers Splice Tray	up to 8	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs

Available Connectors Options



LC PC SIMPLE
Single Mode / Multi Mode



LC PC DUPLEX
Single Mode / Multi Mode



FC PC SIMPLE
Single Mode



E-2000 APC SIMPLE
Single Mode



SC PC/APC SIMPLE
Single Mode / Multi Mode



SC PC/APC DUPLEX
Single Mode / Multi Mode



ST PC/APC SIMPLE
Single Mode

SLIDING 19" RACK MOUNT LIU/FMS



12 PORT LC SX

Product name	Sliding Rack Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12/LC/SX/SLD/LIU	Dimensions	482.2W*315D*63Hmm
Ports	12	Product Height	1 U
Max Capacity	24 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	5.2kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



24 PORT FC SX

Product name	Sliding Rack Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/24/FC/SX/SLD/LIU	Dimensions	482.2W*315D*63Hmm
Ports	24	Product Height	1 U
Max Capacity	96 (LC Quad)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	5.2kg
12 Fibers Splice Tray	up to 8	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



24 PORT SC SX

Product name	Sliding Rack Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/24/SC/SX/SLD/LIU	Dimensions	482.2W*300D*56Hmm
Ports	24	Product Height	1 U
Max Capacity	96 (LC Quad)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	5.7kg
12 Fibers Splice Tray	up to 8	Standard Color	Black
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



48 PORT SC SX

Product name	Rack Mount Fixed	Connector	SC/LC/FC/ST/Euro
Product Model	CT/12/FXD/LIU	Dimensions	482.2*275*51 mm
Ports	12	Product Height	2 U
Max Capacity	24 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	2.1kg
12 Fibers Splice Tray	up to 2	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x5 Pcs



96 PORT SC SX

Product name	Sliding Rack Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/96/SC/SX/SLD/LIU	Dimensions	482.2W*350D*180Hmm
Ports	96	Product Height	4 U
Max Capacity	288 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	9 kg
12 Fibers Splice Tray	up to 24	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x1 Pcs



288 PORT LC DX

Product name	Sliding Rack Mount	Connector	SC/LC/FC/ST/Euro
Product Model	CT/288/LC/DX/SLD/LIU	Dimensions	482.2W*350D*180Hmm
Ports	288	Product Height	4 U
Max Capacity	288 (LC Duplex)	Material	Cold Rolled Steel
Installation Type	19 Inch Rack Mounted	Weight	10.6 kg
12 Fibers Splice Tray	up to 24	Standard Color	Siemens Grey
Work Temperature	-20~+60°C	Storage Temperature	-20~+60°C
Atmospheric Pressure	70KPa~106KPa	Packing Size	1x1 Pcs

Available Connectors Options



LC PC SIMPLEX/DUPLEX
Single Mode / Multi Mode



LC PC QUADRUPLX
Single Mode / Multi Mode



FC PC SIMPLEX
Single Mode



E-2000APC SIMPLEX
Single Mode



SC PC/APC SIMPLEX
Single Mode / Multi Mode



SC PC/APC DUPLEX
Single Mode / Multi Mode



ST PC/APC SIMPLEX
Single Mode

FD BOX Fiber Distribution Boxes

8 PORT REGULAR SERIES



- * UP TO 8 PORTS WITH PLC CASSETTE
- * HIGH QUALITY PC, ABS, CAN SUSTAIN HARSH CONDITIONS.
- * IP RATED FOR BETTER PROTECTION AGAINST DUST AND WATER

16 PORT REGULAR SERIES



- * UP TO 16 PORTS WITH CONNECTORS / PIGTAILS
- * HIGH QUALITY PC, ABS, CAN SUSTAIN HARSH CONDITIONS.
- * IP RATED FOR BETTER PROTECTION AGAINST DUST AND WATER

96 PORT DX REGULAR SERIES



- * UP TO 96 PORTS WITH DUPLEX LC CONNECTORS / PIGTAILS
- * HIGH QUALITY PC, ABS, CAN SUSTAIN HARSH CONDITIONS.
- * IP RATED FOR BETTER PROTECTION AGAINST DUST AND WATER

16 PORT LOOP THRU



It Comes with provision of making a loop of trunk cable without cutting, and also not required to pull the entire stretch of the trunk cable

- * UP TO 16 PORTS WITH PLC CASSETTE
- * HIGH QUALITY PC, ABS, CAN SUSTAIN HARSH CONDITIONS.
- * IP RATED FOR BETTER PROTECTION AGAINST DUST AND WATER

32 PORT REGULAR SERIES



- * UP TO 48 PORTS WITH CONNECTORS / PIGTAILS
- * HIGH QUALITY PC, ABS, CAN SUSTAIN HARSH CONDITIONS.
- * IP RATED FOR BETTER PROTECTION AGAINST DUST AND WATER

TRIPLE WINDOW COUPLER



- Low Insertion loss and Low PDL
- Uniform power splitting
- High reliability
- Excellent environmental stability

RATIO AVAILABLE : 50:50, 55:45, 60:40, 65:35, 70:30, 75:25, 80:20, 85:15, 90:10, 95:05, 98:02, 99:01

PLC SPLITTER WITHOUT CONNECTOR



- Low Insertion loss and Low PDL
- Uniform power splitting
- High reliability
- Excellent environmental stability

AVAILABLE OPTION : 1:2, 1:4, 1:8, 1:16, 1:32, 1:64, 2:2, 2:4, 2:8, 2:32

Specifications(1XN) :

Parameters	1×2	1×4	1×8	1×16	1×32
Operating wavelength	1260 ~1650nm				
Insertion Loss (dB)(P/S Grade)	3.6/4.0	7.2/7.4	10.2/10.5	13.5/13.7	16.2/16.7
Uniformity (dB)	0.4	0.6	0.8	1	1.2
PDL (dB)	0.2	0.2	0.3	0.3	0.3
Return Loss (dB)	≥55				
Directivity (dB)	≥55				
TDL (dB)	0.5				
Operating/Storage Temperature (°C)	-40~85				

WDM SPLITTER WITH / WITHOUT CONNECTOR

- Low Insertion loss and Low PDL
- Uniform power splitting
- High reliability
- Excellent environmental stability



PLC CASSETTE SPLITTERS



1X16



1X2



1X4



1X8

KEY FEATURES :

- **Dual Input with Switch (Optional)**
- Combined Output Connector SC I APC (Green)
- JDSU Pump
- Dual SMPS
- Adopts Er Yb Co doped double-clad fiber technology
- Combined Output connector SC I APC (Green)
- Extremely Low Noise Jdsu/ Equivalent Pump Lasers With Wide Optic Wavelength Range
- Catv Pass Through Wavelength Is 1545-1565nm
- PON Pass Through Wavelength 1260-1360nm /1480-1500nm
- Catv Optic I/p Range: -3 ~ +10dbm
- Isolators At Both I/p And O/p
- PON Insertion Loss < 0.8db
- Microprocessor Controlled Pump Laser
- Front Panel Display Of All Parameters
- Provision For Network Interface Through Rs232 / Lan



PON EDFA 8x19 dBm Optical Output



PON EDFA 16x19 dBm Optical Output



PON EDFA 32x19 dBm Dual Optical Output

EYDFA | 1550nm Transmitters

SINGLE PUMP EDFA (16 dBm X 4 Optical output)



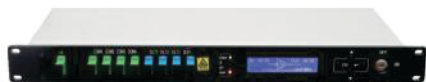
- Extremely Low Noise Jdsu Pump
- Optic I/p Range: -3 ~ +10dbm.
- Isolators At Both I/P And O/P
- Microprocessor Controlled Pump Laser.
- Provision For Network Interface Through RS232 / LAN.

CO-AX LASER Tx (6.5 dBm Optical output)

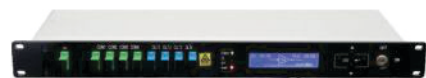


- Dual SMPS.
- NXP IC.
- Excellent Quality 1550 nm Laser, AGC, 47 - 860 MHZ

PON EYDFA with WDM & 1550nm TRANSMITTERS



PON EDFA 4x16 dBm Optical Output



PON EDFA 4x19 dBm Optical Output



PON EDFA 8x19 dBm Dual Optical Output



PON EDFA 16x19 dBm Dual Optical Output



PON EDFA 32x19 dBm Dual Optical Output

IML Transmitter 10 dBm (Range up to 80 Km.)



- Internally Modulated 1550 nm DFB Laser.
- Pre-distortion Circuit Minimizes CSO & Amp. CTB.
- Output Power Level: 10 dBm
- Automatic Gain And Manual Gain Control.
- Front Panel RF Test Port Of -20 dB.

CO-AX LASER Tx (6.5 dBm X 6.5 dBm Optical output)



- Dual SMPS.
- NXP IC.
- Excellent Quality 1550 nm Laser, AGC, 47 - 860 MHZ

1310nm TRANSMITTER

REGULAR SERIES



TX 10dBm



TX 10dBm+10dBm



TX 10x4 (40dBm)

Specifications

- Dual/Single SMPS
- OEI/NXP IC
- AGC/MGC
- Pre Distortion Circuit
- Transparent Top

PREMIUM SERIES



TX 13dBm/14dBm/15dBm XESTON/AQ/ORTEL LASERS



FIBER TO FIBER

Specifications

- Fully Aluminium Housing
- Dual SMPS
- NXP/OEI IC
- AGC/MGC
- Automatic Switching of SMPS
- Digital Display of Laser Output
- Add Channel Facility
- Multi Window All Parameters Display on VFD
- Optic O/P Power : 6dBm-15dBm

MINI SERIES TRANSMITTER

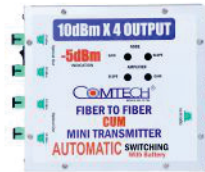
Specifications :

- Compact Size
- External Power Supply (Adaptor)
- Excellent Quality
- Optional : Single/Double SMPS



TX 10+10dBm With Optical & RF IN
without Battery also Available

with Battery
12 HRS
Power Backup



TX 10dBm x 4 With Optical & RF IN
without Battery also Available

with Battery
6 HRS
Power Backup

INDOOR NODES & Switch

WDM NODES



Model No : **WDM 600**
No Power Required
Optical Connector: SC/APC
Designed For FTTH (Fiber To The Home Network)
2-Way F Output with equal out 62dBV @-10Bm
Frequency range 40-1000MHz For CATV End-users



CT 216E

-16dBm
Dual Output
with Test Point



AGC RF SWITCH

2 Fiber Input, Digital Display,
Automatic switching,
SMPS(Transmitter) &
AGC Module(Optional)



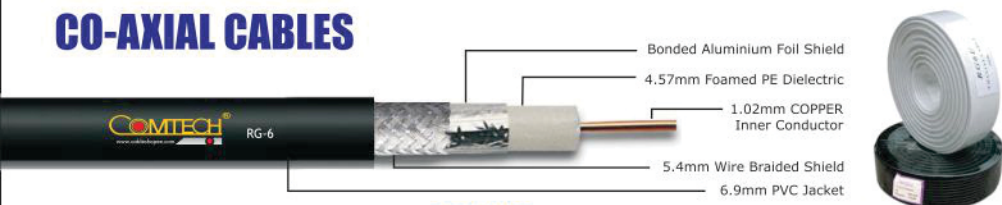
Deluxe Series CT 216D



Deluxe Series CT3333D with 3IC/4 output

- 47 TO 860MHz
- Optical Wave Length : 1200-1580nm
- Optical Reflection Loss : > 45dB
- SMPS / Transformer Power Supply
- RF Output Level : 104dbV
- Optical Link Flatness : ±1dB
- Operating Voltage 220v/powerpass

CO-AXIAL CABLES



Features

Solid Copper /CCS 60%-98% Al Alloy Braiding Tri-Shield / Standard Shield Spectrum tested
 Sequential marking Length As Per Order Gas Injected Foam Bonded Al Foil



	RG-59	RG-6	RG-11
Frequency Mhz	dB/100m Max.	dB/100m Max.	dB/100m Max.
Ch.2 5	2.82	1.95	1.25
48	6.73	5.20	3.15
83	8.04	6.20	3.87
187	11.81	9.15	5.74
211	12.47	9.50	6.23
Ch.12 224	13.23	10.08	6.61
300	14.60	11.50	7.38
400	16.73	13.30	8.53
500	18.70	14.95	9.51
E30 553	19.52	15.70	9.97
750	22.87	18.35	11.97
865	24.67	19.95	13.05
1000	26.64	21.45	14.27

ALSO AVAILABLE ALL TYPE OF ROPE WIRES & SUPPORT WIRE

3+1 (90mtrs.)

CCTV CABLE

Features:

- No of Core: Three
- Insulation: PVC
- Length: 90Mtr.
- No of Video Core: One
- Video Core insulation: HDPE
- Color Video Code: Natural
- Color of Jacket: Black
- Color Jacketing : White
- Shielded: AL-Mylar
- Sequential marking: Every Meter
- Video Core OD: 2.50 + 0.20mm
- Braiding: CCA Braiding



CCTV

NODES | AMPLIFIERS | SMPS & POWER SUPPLY

24 HRS POWER BACKUP



ND 35
Single IC,
2RF Output
With Test Point
Output @ 0dBm = 96dB



ND 235
Output @ 0dBm=108dB,
-5dBm ± 98dB
Double IC, 2rf Output With Test Point,



ND 435
Double IC, 4 Output
with Test Point
Output@0dBm=105DB,
-5dbm ± 95db

Specifications: • Operate On Forward/reverse 9-35 V Dc • 2600 MAH Battery Provides Fast Charging(Full Charging In 2 Hrs.)
Power Sources :- * DC SMPS (35V) * Dc Adaptor (9-18V) * Battery + Solar * Reverse Dc (POC) Through Stb Adapter(12V)

OPTION OF TWO BATTERIES FOR DOUBLE POWER BACKUP



ND 306
• 3 IC Circuit
• Operates On 8-35V
• 4 High Gain Output (105 dBm)



ND 208
• Dual IC Circuit
• Operates On 8-35V
• 8 High Gain Output (105 dBm)
• 8 Fuse Inlet For 35v Pp



ND 204
• Dual IC Circuit
• Operates On 8-35V
• 4 High Gain Output (105dBm)



DC 606
• Double Output
• Operates on 35v



ND 12
• Double IC
• Dual Output
• Operates On 8-35V

DC NODE



FC 401



FC 403



FC 406



FC 402



FC 404

FTTX NODE

HYBRID AMPLIFIERS



NODE + TRANSMITTER



CT 999D



CT 1111D

Specifications :

- 47 TO 860MHz
- Low Noise
- Max Input : 75-80dB
- Gain Slope Controls
- Excellent Flatness
- Gain Flatness : ±1dB
- Max Output : 104dbμV
- Dual Output With Test Point



AD 12



DC 404

SMPS & POWER SUPPLIES

FOR TRANSMITTER

SMPS TX13 | SMPS TX 10



DC SMPS

- Input voltage : 220 v AC
- Output voltage : 35 v DC
- Rating : 2 & 4 Ampere
- RF loop connector for connection.

POWER SUPPLIES

Gold series



Available in Upto 15 Amp.

Silver series



Available in Upto 15 Amp.

OPTICAL ACCESSORIES

JOINT ENCLOSER

Use FTTH , FTA, FTTC, FTTX | High quality PC, ABS, can sustain harsh conditions. | Well water and dust proof, to ensure the sealing performance.

24 PORT

Bamboo Small

Number of fibers : 24 Fiber
Splice Tray : 2
Inlet / Outlet Port : 4 Port
Dimension : L-340 mm, Ø-135 mm
Weight : 969 gm.



24 PORT

Bamboo Big

Number of fibers : 24 Fiber
Splice Tray : 2
Inlet / Outlet Port : 3+1 Oval
Dimension : L-520 mm, Ø -135 mm
Weight : 2 kg.



48 PORT

Bamboo Big

Number of fibers : 48 Fiber
Splice Tray : 4
Inlet / Outlet Port : 3+1 Oval
Dimension : L-520 mm, Ø-135 mm
Weight : 2.2 kg.



24 PORT

Bamboo Pro. Small

Number of fibers : 24 Fiber
Splice Tray : 2
Inlet / Outlet Port : 3+1 Oval
Dimension : L-350 mm, Ø -130 mm
Weight : 921 gm.



24/48 PORT

Bamboo Professional

Number of fibers : 48 Fiber
Splice Tray : 4
Inlet / Outlet Port : 3+1 Oval
Dimension : L-550 mm, Ø -170 mm
Weight : 2.4 kg.



96 PORT

Bamboo Pro. Big

Number of fibers : 96 Fiber
Splice Tray : 8
Inlet / Outlet Port : 3+1 Oval
Dimension : L-550 mm, Ø -170 mm
Weight : 2.6kg.



FTTH TERMINAL BOX

- Support termination, splicing and storage functions for fiber optic cable systems.
- Simple design and enough work space to arrange clearly for cable management.
- Engineered fiber routing protect bend radius through the unit to ensure signal integrity
- Fiber optic distribution box is wall-mounted and suitable for FTTH hard cable.



FACE PLATE

FTTH mini fiber optic faceplate employs a compact plug-in design, combines a modern design concept. Small size, light weight, use conveniently fireproof and dust-proof, It can accommodate fiber splices intact & protect them from any external element.



JC BOX 2 WAY Regular

Joint Box For 2- 12 Fibers .
2 Inlet/outlet For Fiber Up to 8 Mm Diameter
Built In Sleeve Tray
Mesh Like Structure For Better Durability
Fiber Optic Splice Closure Horizontal Type.



JC BOX 4 WAY Deluxe

Joint Box For 2- 12 Fibers .
4 Inlet/outlet For Fiber Up to 8 Mm Diameter
Built In Sleeve Tray
Fiber Optic Splice Closure Horizontal Type.
Brass Screws : 6



JC BOX 2 WAY Deluxe

Joint Box For 2- 12 Fibers .
2 Inlet/outlet For Fiber Up to 8 Mm Diameter
Built In Sleeve Tray
Fiber Optic Splice Closure Horizontal Type.



JC BOX 2 WAY Tiffin type

Low Cost Mini Joint Box For 2- 12 Fibers .
2 Inlet/outlet For Fiber Up to 8 Mm Diameter
Built In Sleeve Tray



MEDIA CONVERTER

REVERSE POE RANGE OF MEDIA CONVERTER



1FSC

- 1 SC (100M) Port
- 1 FE (100M) Port
- 24V R-PoE Or 5V DC



1GSC

- 1 SC (1000M) Port
- 1 GE (1000M) Port
- 24V R-PoE Or 5V DC



1GSF

- 1 SFP (1000M) Slot
- 1 GE (1000M) Port
- 24V R-PoE Or 5V DC



2FSC

- 2 SC (100M) Ports
- 1 FE (100M) port
- 24V R-PoE Or 5V DC



2GSC

- 2 SC (1000M) Ports
- 1 GE (1000M) Port
- 24V R-PoE Or 5V DC



4FSC

- 4 FE (100M) Ports
- 1 SC (100M) Port
- 24V R-PoE



8FSC

- 8 FE (100M) Ports
- 1 SC (100M) Port
- 24V R-POE or 5V. DC

4GSC

- 4 GE (1000M) Ports
- 1 SC (1000M) Port
- 24V R-PoE



ROUTER UPS / MULTI VOLTAGE SPLITTER



ROUTER 12v UPS

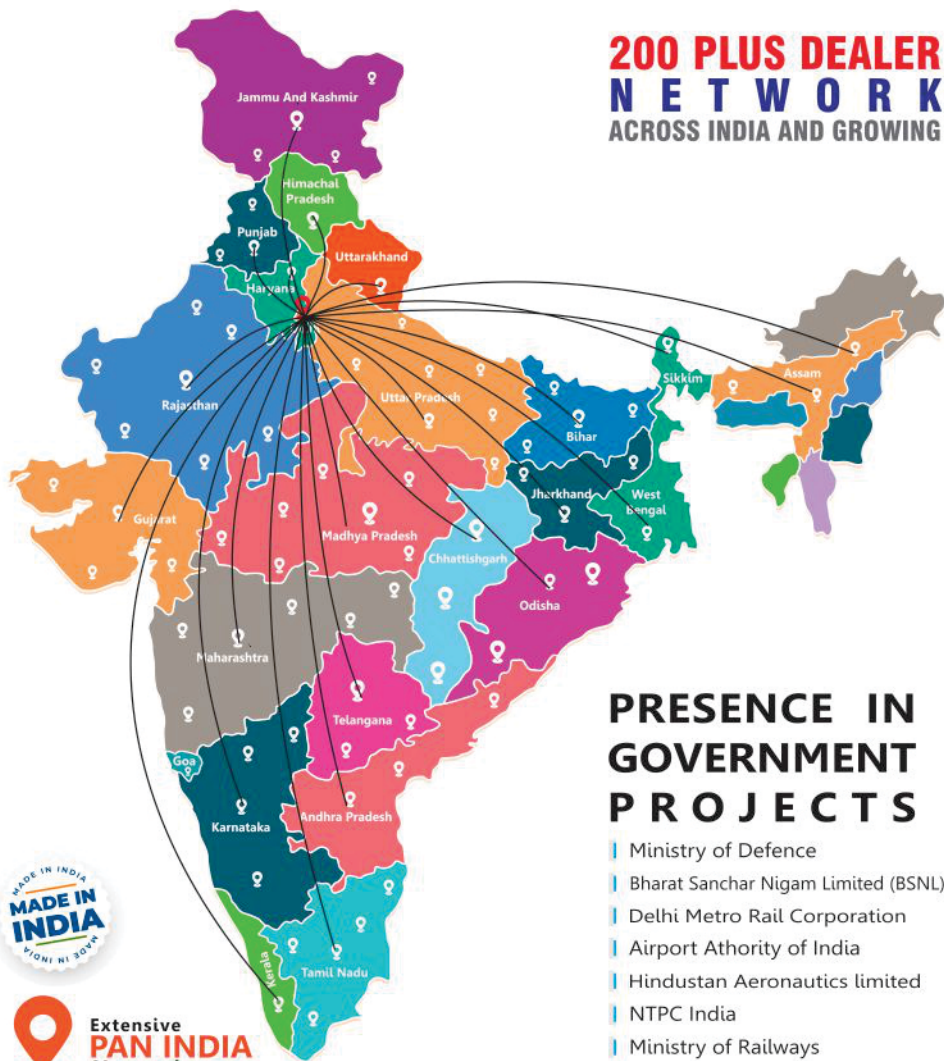
- Uninterrupted Wifi Connectivity
- Upto 4 Hrs. Power Backup
 - 2600 mAH Lithium-Ion Battery
 - Compact Size & Light in Weight



MULTI VOLTAGE SPLITTER

- Always Online - 12v And 9v/5v Output
- Supports All Router Ups Devices
- 30 Sec Installation

**200 PLUS DEALER
NETWORK
ACROSS INDIA AND GROWING**



**PRESENCE IN
GOVERNMENT
PROJECTS**

- | Ministry of Defence
- | Bharat Sanchar Nigam Limited (BSNL)
- | Delhi Metro Rail Corporation
- | Airport Authority of India
- | Hindustan Aeronautics limited
- | NTPC India
- | Ministry of Railways
- | Department of Telecommunication
- | NTRO
- | NLC India
- | Nuclear Power Corporation
- | Department of Atomic Energy
- | And Many More PSU's



**Extensive
PAN INDIA
Network**

AVAILABLE ON



GeM
Government
e Marketplace

Efficient • Transparent • Inclusive



Lab
Tested
Optical Fiber Cable

Manufacturing Facilities



OFC Unit



Fiber Patch Cord Unit



Electronics Unit



www.cableshopee.com



Splicing Machine



Data Cables Unit



Warehouse

COMTECH® DIGITRONICS PVT. LTD.

Office : A-106, DSIDC Sector-5, Bawana Industrial Area, New Delhi 110039

Works : S-14, Akbarpur, Harvest Road, Barota, Kundli, Sonpat 131103

Warehouse : A-36, DSIDC Sector-5, Bawana Industrial Area, New Delhi 110039

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