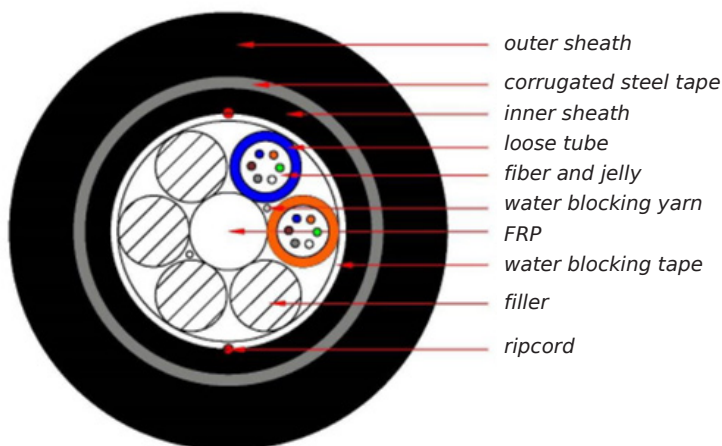


Fiber Optic Cable CST Double Sheath LT External PE >

Molex corrugated steel tape (CST) armored cable is a rugged cable suitable for outdoor/external installations. The double polyethylene (PE) sheath makes the cable suitable for installation in underground ducts or direct burial. The corrugated steel tape provides mechanical and rodent protection.



FEATURES & ADVANTAGES

Double PE sheath for rugged external installations

Corrugated Steel Tape for mechanical and rodent protection

Multi Loose Tube, gel filled construction

Singlemode G.562.D and Multimode OM3 variants available

SPECIFICATIONS

Fiber Tube Color

No.	1	2	3	4	5	6
	Blue	Orange	Green	Brown	Gray	White
Color	7	8	9	10	11	12
	Red	Black	Yellow	Violet	Pink	Aqua

Physical

Characteristic		Unit	12/24	48/72	96	144
Fiber Count	Number		1+6	1+6	1+8	1+12
Cable Structure						
Fiber No. per tube	Number		6	12	12	12
Loose tube	Number		2/4	4/6	8	12
Inner sheath	Thickness (Nom.)	mm	0.8			
Outer sheath	Thickness (Nom.)	mm	0.8			
Cable diameter	+/- 5%	mm	13.5	14.1	15.7	18.7
Cable weight	+/- 10%	kg/km	165	180	225	310
Tensile strength	Short term	N	2000	2500	3800	3800

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SPECIFICATIONS

Mechanical

Parameter		
Crush resistance max.	Short term	3000N/100mm
	Installation	25 x cable o.d.
Bend Radius min.	Operation	15 x cable o.d.
	Operation	-40°C - + 70°C
Temperature Range	Installation	-10°C - + 60°C
	Storage/transportation	-40°C - + 70°C

Optical characteristics

Parameter	SM G.652D	
	nm	Value
Attenuation	@1310	≤ 0.36 dB/km
	@1550	≤ 0.22 dB/km
Dispersion	@1288 -1339	≤ 3.5 ps/ (nm/km)
	@1550	≤ 18 ps/ (nm/km)
	@1625	≤ 22 ps/ (nm/km)
Zero-Dispersion wavelength	1300nm - 1324nm	
Mode field diameter	@1310	9.2+/-4μm
	@1550	10.4+/-5μm
Micro bending attenuation	@ 1310	≤ 0.05dB/km
	@ 1550	≤ 0.05 dB/km
Parameter OM3		
nm Value		
Fiber core diameter (mm)	50.0 +/- 2.5	
OFL Bandwidth	850nm MHz/km	≥ 1500
	1300nm MHz/km	≥ 500
EMB Bandwidth	850nm MHz/km	≥ 2000
Attenuation Coefficient	850nm dB/km	≤ 3.50
	1300nm dB/km	≤ 1.50
Parameter SM G.652D OM3		
Cladding diameter (mm)	125+/-0.7 μm	125 +/- 1.0
Coating diameter (mm)	242 +/- 5	245 +/- 10
Cladding non-circularity (%)	≤ 1.00	≤ 1.00
Core-Cladding concentricity error (mm)	≤ 12.00	≤ 12.00

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Fiber Optic Cable CST Double Sheath LT External PE

ORDERING INFORMATION

Order No.	SAP No.	Description
CFR-00820	180570661	Fiber Optic Cable South Africa 12F LT CST EXT SM G562.D PE Black
CFR-00821	180570662	Fiber Optic Cable South Africa 24F LT CST EXT SM G562.D PE Black
CFR-00822	180570663	Fiber Optic Cable South Africa 48F LT CST EXT SM G562.D PE Black
CFR-00823	180570664	Fiber Optic Cable South Africa 96F LT CST EXT SM G562.D PE Black
CFR-00824	180570665	Fiber Optic Cable South Africa 144F LT CST EXT SM G562.D PE Black
CFR-00825	180570666	Fiber Optic Cable South Africa 288F LT CST EXT SM G562.D PE Black
CFR-00826	180570667	Fiber Optic Cable South Africa 4F LT CST EXT MM OM3 PE Black
CFR-00827	180570668	Fiber Optic Cable South Africa 8F LT CST EXT MM OM3 PE Black
CFR-00828	180570669	Fiber Optic Cable South Africa 12F LT CST EXT MM OM3 PE Black
CFR-00829	180570670	Fiber Optic Cable South Africa 24F LT CST EXT MM OM3 PE Black
CFR-00830	180570671	Fiber Optic Cable South Africa 48F LT CST EXT MM OM3 PE Black

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