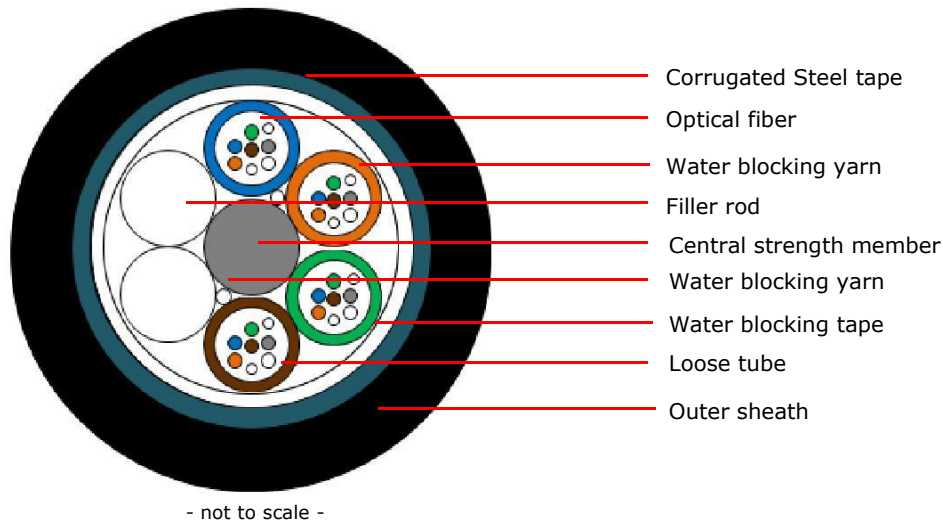


6F 12F 24F 48F 72F Single Armor Single Jacket GEL Free Cable

Siemon outside plant (OSP) cables are ideal for campus, building-to-building interconnections, lashed aerial, duct or underground conduits and direct burial with proper sand back filling. These cables are designed to tolerate the installation and stresses in cables exposed to the external environment. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel.

Cable cross-section



Technical data

No. of Fibres		6, 12, 24	48	72
Design (Elements × Fibres per Tube)		4x6	8x6	12x6
Loose Tube / Filler - nominal Ø	mm	2.2	2.2	2.2
Cable nominal Diameter	mm	11.7	13.1	15.9
Cable Weight	kg / km	128/129/131	160	223
Min. bending radius	mm	Without Tension 10 × Cable-Ø	Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -30 -> +60;	Transport. & Storage -40 -> +75 ;	Operation -40 -> +70

Main characteristics

Test	Standard	Value
Tension Short Term (Max Installation)	IEC 60794-1-21-E1	2700N
Tension Long Term	IEC 60794-1-21-E1	890N
Crush Short Term	IEC 60794-1-21-E3	2200N / 100mm
Crush Short Term	IEC 60794-1-21-E3	1100N / 100mm
Impact Strength	IEC 60794-1-21-E4	10Nm
Torsion	IEC 60794-1-21-E7	±180°
Water Penetration	IEC 60794-1-21-F5C	sample=3m, water=1m, 24hrs
Drip Test	IEC 60794-1-21-E14	30cm, 70°C, 24hrs
Temperature Performance	IEC 60794-1-22-F1	≤ .15dB/km

Note: Siemon fiber cable meet ISO/IEC 11801: Ed 2.0 Amendment 1:200, ANSI/TIA-568.3-D, ANSI/TIA-598-D, ANSI/TIA--492 CAAB, Telcordia GR-20-CORE, ITU-T G.652 D

Characteristic of Optical Fiber

G652D fiber information	
Mode field diameter (1310nm):	9.2μm±0.4μm
Mode field diameter (1550nm):	10.4μm±0.5μm
Cut off wavelength of cabled fiber (λ _{cc}):	≤ 1260nm
Attenuation at 1310nm:	≤ 0.35dB/km
Attenuation at 1550nm:	≤ 0.22dB/km
Zero dispersion wavelength:	1300nm-1324nm
Dispersion in the range 1288 to 1339nm:	≤ 3.5ps/ (nm•km)
Dispersion at 1550nm:	≤ 18ps/ (nm•km)
Dispersion slope at zero dispersion wavelength:	≤ 0.092ps/ (nm ² •km)
Individual PMD	≤ 0.2ps/(sqrt.km)

Identification

Fibre Colours

No.	1	2	3	4	5	6
Colour	blue	orange	green	brown	grey	white

Loose Tube and filler Colours:

No.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Sheath Colour:

The outer sheath colour is black HDPE.

Cable Jacket:

UV resistant cable sheathing - meets or exceeds the performance requirements of Telcordia GR-20, Issue 2 and ICEA 640, and is tested in accordance with relevant EIA-455 series FOTPs for Fiber optic cable.

Ordering Information:

