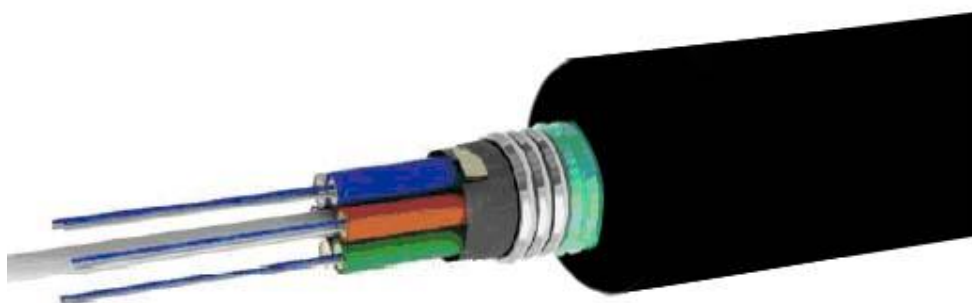


PRODUCT TECHNICAL DATASHEET

OUTDOOR ARMoured LOOSE TUBE CABLE



PRODUCT DESCRIPTION

The Schneider DIGILINK Loose Tube armoured cable is constructed with industry standard buffer tubes, stranded around a central strength member. The buffer tubes are compatible with standard hardware, cable routing and fan out kits. The construction provides ultimate strain relief to fibers in extreme installation service conditions. This construction has a UV stabilized HDPE jacket and additional aramid distribution strength members.



PRODUCT COMPLIANCE

Performance as per ANSI/TIA-568-C.3 and ISO/IEC-11801.

Performance verified by ETL.

UL listed as per UL94V-0 rated plastic.

Qualifies as per ICEA-640 standard.

RoHS Compliant (lead free).

PRODUCT FEATURES

Digilink OptiPlus loose tube metallic stranded cable is made up of special black HDPE jacket which is UV stabilized.

The cable armouring is made of corrugated polymer coated steel tape. The armoured layer provides added crush protection and meets the Telcordia GR-20 requirements for superior armoured cable.

The optical fibers and tubes are color coded for easy identification.

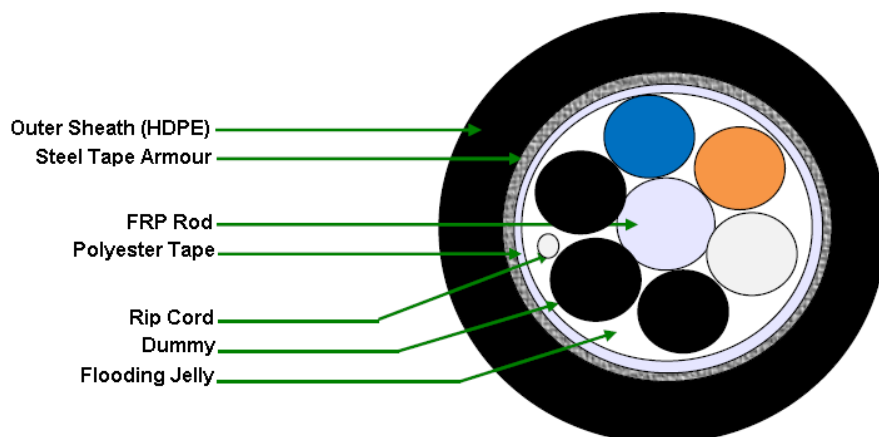
PRODUCT SPECIFICATION

Product code	DFCA009GSTSXX
Fiber type	Singlemode OS2 (1310nm/1550nm)
Strength Member	FRP rod
Outer Jacket material	HDPE
Outer Jacket color	Black
Loose Tubes (nos.)	6
Loose Tube Material	Polybutylene Terephthalate
Loose Tube Diameter(mm)	1.7 nominal
No of Fiber per tube	6
Loose Tube Filling	Thixotropic Gel

Moisture Barrier		Flooding Gel
Core Wrapping		Polyester Tape
Armouring(mm)		0.150 ECCS Tape
Rip Cord(Nos.)		2 (Polyester)
Nominal diameter(mm)		10.8 ±0.5
Cable weight(kg/km)		110 ±15.0
Tensile strength (N)		2500 (Short Term) / 3500 (Long Term)
Crush Resistance (N/100mm)		4400
Min. bend radius(Dynamic) (mm)		20D
Min. bend radius (Static) (mm)		10D
Operating temperature(°C)		-30°C to +70°C
Storage temperature(°C)		-40°C to +75°C
Attenuation (dB/Km)	1310nm	≤ 0.35
	1550nm	≤ 0.25
Core diameter(um)		8.2
Cladding diameter(um)		125.0 ±0.7
Core-cladding concentricity(um)		≤0.8
Cladding non-circularity (%)		≤1.0
Coating diameter(um)		242 ± 5 um
Cladding-coating concentricity(um)		≤12
Cable cut-off wavelength (nm)		≤1260
Dispersion(ps/nm.km)		≤18 @1550nm

Proof Stress Level	> 0.7 GPa
Strip Force	3N
Fiber curl	> 4 m radius of curvature
Mode field diameter at 1310nm	9.2 ± 0.4 um
Mode field diameter at 1550nm	10.4 ± 0.5 um
Zero dispersion wavelength(nm)	1300-1324
Zero dispersion slope(ps/km.nm ²)	≤0.092

PRODUCT INTERNAL LAYOUT



PRODUCT ORDERING INFORMATION

Part Code	Range	Product Description
DFCAO09GSTS06	Digilink	Digilink Outdoor Armoured Loose Tube cable, Single-mode ,OS2,6 Fiber
DFCAO09GSTS12	Digilink	Digilink Outdoor Armoured Loose Tube cable, Single-mode ,OS2, 12 Fiber
DFCAO09GSTS24	Digilink	Digilink Outdoor Armoured Loose Tube cable, Single-mode ,OS2, 24 Fiber

PRODUCT PACKAGING INFORMATION

Cable length in one drum: 4000 +/- 5%

Drum size: ø 900mmx 650mm / ø 1400mmx 960mm

Central hole: ø 80mm