

Features and Benefits

Molex Loose Tube Armoured Fibre Cable is constructed of gel-filled loose tubes (4-12 fibres). The core is water blocked, wrapped in polyester tape with an inner and outer MDPE sheath. Corrugated steel armouring makes the cable rodent resistant. The cable is designed for direct burial, outdoor data communication applications.

Commerical Standards

Cable
ISO 11801
EN 50173
IEC 60794-1

Fibre Core

IEC 60793-2-50 Category B.1.3
EN 60793-2-50 Class B.1.3
ITU G652 A, B, C & D
EN 50173-1:2007 cat OS1 & OS2
ISO/IEC 11801:2002 cat OS1
ISO/IEC 24702:2006 cat OS1 & OS2
IEEE 802.3 – 2002

Technical Information

Mechanical Characteristics

Loose Tube: 2.8mm o.d. gel-filled loose tube (2-16 fibres)
3.5mm o.d. gel-filled loose tube (24 fibres)
Strength Member: E-Glass Yarns
Armouring: 0.15mm corrugated steel tape
Sheath: 1.5mm black MDPE sheath
Nominal outer diameter: 2-26 fibres
8.5mm
18-24 fibres 9.5mm
Nominal weight: 2 -16 fibres:75kg/km
18-24 fibres: 80kg/km
Tensile strength: 1000N
Compressive strength: 2000N
Min bend radius unloaded: R=55mm
Min bend radius loaded: R=110mm

Temperature range

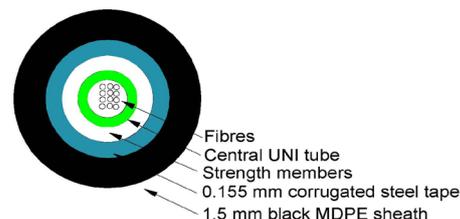
Storage and installation: -40 to +70°C

Electrical/Optical Characteristics

Attenuation
1310nm – 1625nm: <0.39dB/km
1550nm: <0.25dB/km

Group Index of Refraction

1310nm: 1.467
1550nm: 1.468
1625nm: 1.468



ORDERING INFORMATION

Order No.	SAP No.	Description
CFR-00558	Consult Molex	4 Core SM Loose Tube Armoured MDPE
CFR-00559	Consult Molex	6 Core SM Loose Tube Armoured MDPE
CFR-00560	Consult Molex	8 Core SM Loose Tube Armoured MDPE
CFR-00561	Consult Molex	12 Core SM Loose Tube Armoured MDPE
CFR-00562	Consult Molex	16 Core SM Loose Tube Armoured MDPE
CFR-00563	Consult Molex	24 Core SM Loose Tube Armoured MDPE

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