

Optical Fibre Cables

Multi-Loose Tube (MLT), Central FRP Strength Member,
Corrugated Steel Tape Armoured, Underground (Direct Buried or Duct),
Single Sheathed Cable

Model Code: MLT/FRP/CST/LSZH; MLT/FRP/CST/HDPE



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Application : Conventional outside plant optical fibre cable for video security, datacom, broadcast, telecom, or campus backbone applications.

- Construction :**
- 2 to 12 optical fibre [250µm OM1, OM2, OM3, OM4 multi-mode or OS2 (ITU-T G.652.D) single-mode] in a gel-filled loose tube, consisting of up to 144 optical fibres of Max. 12 elements
 - SZ stranded around central strength member with water swellable material
 - Corrugated steel tape (CST) armoured
 - UV resistant LSZH sheathed cable (Suitable for internal/external applications)
 - UV resistant HDPE sheathed cable (Suitable for environmental protection and water permeation resistance)

Sheath colour : Black

Specification : IEC 60793, IEC 60794-3-10
Single-mode OS2: ITU-T G.650, ITU-T G.652, ISO/IEC 11801
Multi-mode OM1: ISO/IEC 11801
Multi-mode OM2, OM3, OM4: ITU-T G.651, ISO/IEC 11801
LSZH sheath: IEC 60754, IEC 61034-2, IEC 60332

Operating temperature : -40°C to 70°C

Storage temperature : -40°C to 70°C

Installation temperature : -10°C to 60°C

No. of Fibres	2	4	6	8	10	12	16	24	36	48	60	72	96	144
No. of Loose Tube(s)	1	1	1	1	1	1	2	2	3	4	5	6	8	12
No. of Fibres Per Tube	2	4	6	8	10	12	8	12	12	12	12	12	12	12
No. of Filler Element(s)	5	5	5	5	5	5	4	4	3	2	1	0	0	0
Approx. Overall Diam. (mm)	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	12.2	15.0
Approx. Weight (kg/km) (LSZH)	144	144	144	144	144	144	144	144	144	144	144	148	179	250
Approx. Weight (kg/km) (HDPE)	128	128	128	128	128	128	128	128	128	128	130	131	162	227

Note: The information contained in the above table is subject to normal manufacturing tolerance. Specifications are subjected to change without notice.

Mechanical Properties

Max. Tensile Load (N)	1500N
Crush Resistance (N/100mm)	1500N
Min. Installation Bending Radius (mm)	20 x OD
Min. Operation Bending Radius (mm)	10 x OD