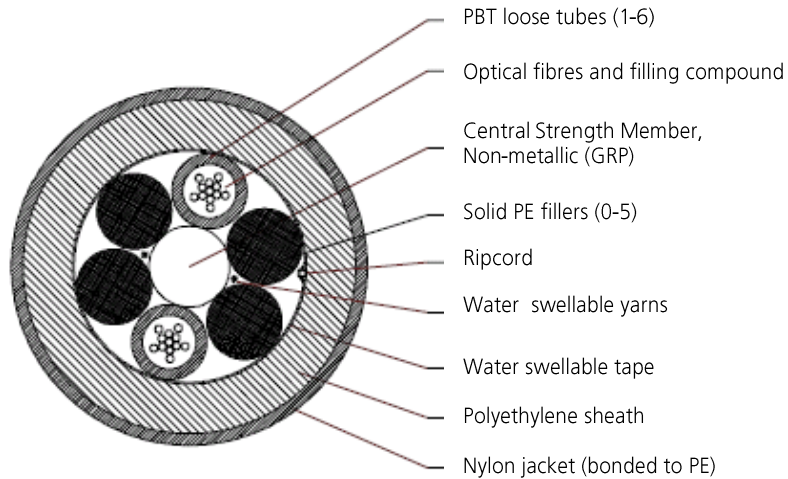


TrueNet[®]

Fibre Outdoor Highlight Gel-filled Loosetube Cable

Issue 7



24 Fibre cable shown

Cable containing from 4 up to 72 optical fibres in gel filled (thixotropic compound) loose tubes for either duct or direct buried applications.

Colour coded tubes (1-6) containing maximum 12 fibres per tube and solid polyethylene fillers as required, stranded around a glass reinforced plastic (GRP) central strength member. The space between the tubes is filled with water swellable yarn (interstitial filling compound). Tubes are wrapped with water swellable tape and sheathed with UV stabilised polyethylene (Black) and Nylon outer jacket (Blue).

Features:

- Available as 9µm singlemode (OS2), 50µm enhanced multimode (OM3) or 62.5µm multimode (OM1)

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Fibre Outdoor Highlight Gel-filled Loosetube Cable

Specifications

Cable General:

Overall cable diameter (nominal):	8.9mm
Mass (nominal):	60 - 65kg/km
Maximum tensile strength (short term):	1800N
Maximum crush resistance (short term):	2000N/10cm
Minimum Bend Radius	
Max Installation Load or Full Load:	20 x cable O.D
Unloaded:	10 x cable O.D
Operating Temperature:	-10°C to +70°C
Specifications:	AS/ACIF S008, IEC 60793 Parts 1&2, ITU-T G652
Tested:	In accordance with the relevant TIA/EIA-455 series FOTP's

Cables are manufactured from glass fibre with the following specifications:

9µm Singlemode fibre:

Optical Fibre Specification:	Zero Water Peak OS2 9/125µm
Complies with:	ITU-T G.652D and IEC 60793-2-50 (Type B1.3)
Mode Field Diameter @ 1310nm:	9.2±0.4µm
Numerical Aperture:	0.13
Maximum Attenuation (dB/km)	
@1310nm:	≤0.35
@1383nm:	≤0.35
@1550nm:	≤0.21
@1625nm:	≤0.24

50µm Enhanced Multimode fibre:

Optical Fibre Specification:	OM3 (Type A1a.2) 50/125µm
Minimum Bandwidth	
OFL:	1500/500 MHz.km @ 850/1300nm
EMB:	2000/500 MHz.km @ 850/1300nm
Maximum Attenuation (dB/km)	
@850nm:	2.4
@1300nm:	0.6

62.5µm Multimode fibre:

Optical Fibre Specification:	OM1 (Type A1.b) 62.5/125µm
Minimum Bandwidth:	200/500 MHz.km @ 850/1300nm
Maximum Attenuation (dB/km)	
@850nm:	3.0
@1300nm:	0.7

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Fibre Outdoor Highlight Gel-filled Loosetube Cable

Ordering Information

Description	Quantity	Colour	Product No.
Outdoor Gel Filled Loosetube Cable, 9µm Singlemode, OS2	Per metre	Blue	6462 4 447-XX
Outdoor Gel Filled Loosetube Cable, 62.5µm Multimode, OM1	Per metre	Blue	6462 4 434-XX
Outdoor Gel Filled Loosetube Cable, 50µm Enhanced Multimode, OM3	Per metre	Blue	6462 4 473-XX

Number of cores (-XX) 04.....4 core Jacket colour: Blue
 06.....6
 08.....8
 12.....12
 24.....24
 36.....36
 48.....48
 60.....60
 72.....72

Fibre 1/ Tube 1	Fibre 2/ Tube 2	Fibre 3/ Tube 3	Fibre 4/ Tube 4	Fibre 5/ Tube 5	Fibre 6/ Tube 6
Blue	Orange	Green	Brown	Grey	White
Fibre 7	Fibre 8	Fibre 9	Fibre 10	Fibre 11	Fibre 12
Red	Black	Yellow	Violet	Pink	Aqua

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