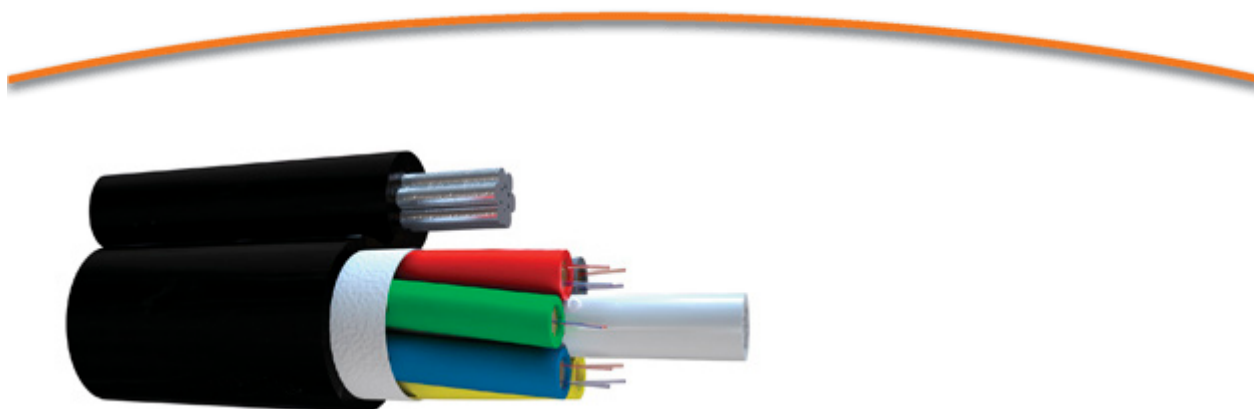


LTC Figure 8



LTC Figure 8 - Outdoor, Aerial, Metallic Cable.

Metallic aerial hanging cable with messenger steel wire, longitudinal water-protected, for short span applications (up to max. 100 mtrs.).

Commercial information		Properties	Unit
Product group		Fibre optic cable	
Series		Fibre optic cable Single mode	
Type		LTC Figure 8	
Description		48x SM Zwart Hangkabel	
Net weight		190	kg/Km

Article number / standard length	EAN number	Properties	Unit
69890		Drum à 1	m

Construction		Properties	Unit
Test procedures		IEC 60794-1-2	
Application		Outside	
Cable metal free		No	
Strain relief		Yes	
UV resistant		Yes	
Halogen free (acc. EN 50267-2-2)		Yes	
Longitudinal water blocking		Yes	
Number of fibres		48	
Number of fibres per tube		8	
Number of cores		6	
Type of duct		Loose tube, gel filled	
Fibre type		Single mode	
Optical fibre standard		ITU-T G.652.D	
Type of strain relief		Steel wire	
Material outer sheath		HDPE	
Colour outer sheath		Black	



LTC Figure 8



Characteristics for use	Properties	Unit
Bending radius during installation	165	mm
Bending radius after installation	220	mm
Tensile load short term (Tm)	5800	N
Installation temperature	-10 / 50	°C
Operation temperature range	-30 / 70	°C
Transportation and storage temperature	-30 / 70	°C

Technical characteristics	Properties	Unit
Attenuation @ 1310 nm	0.37	dB/km
Attenuation @ 1550 nm	0.25	dB/km
Attenuation @ 1625 nm	0.25	dB/km
Crush resistance acc. meth.E3A	1500	N/dm
Impact strength	5	J
Torsion resistance	180	°/m

Product Characteristics - Optical fibres

Fibre:		
type of fibre	hydrogen passivated, dispersion unshifted, matched cladding singlemode fibre 9/125µm	
standard	IEC-60793-2-50, B1.3	
standard	ITU-T G.652.D*	

Characteristics:	Properties	Unit
Mode field diameter; 1310nm	9.2 ± 0.3	µm
Mode field diameter; 1550nm	10.4 ± 0.4	µm
Core non-circularity	max. 6	%
Core/Cladding concentricity error	max. 0.4	µm
Cladding diameter	125.0 ± 0.5	µm
Cladding non-circularity	max. 0.6	%
Coating diameter, uncoloured	242 ± 5	µm
Coating diameter, coloured	254 ± 7	µm
Coating/Cladding concentricity error	max. 12	µm
Temperature sensitivity; -60°C to +85°C	max. 0.05	dB/km
Bending sensitivity - 100 turns around Ø60mm - 1625nm	max. 0.05	dB
Proof test level	min. 0.69	GPa
Fibre curl	min. 4	m
Cable cut-off wavelength	max. 1260	nm
Zero-dispersion wavelength	1300 - 1322	nm
Zero-dispersion slope	max. 0.090	ps/nm ² .km
Chromatic dispersion; 1285nm - 1330 nm	max. 3.0	ps/nm.km
Chromatic dispersion; 1550nm	max. 17.0	ps/nm.km
Chromatic dispersion; 1625nm	max. 21.0	ps/nm.km
Polarisation mode dispersion; PMD _Q	max. 0.20	ps/√km
Attenuation at 1383nm (α ₁₃₈₃) [note a]	α ₁₃₁₀ - 0.03	dB/km
Effective Group Core Refractive Index; 1310 nm	1.465	-
Effective Group Core Refractive Index; 1550 nm	1.465	-
Effective Group Core Refractive Index; 1625 nm	1.465	-

note a: after hydrogen ageing