

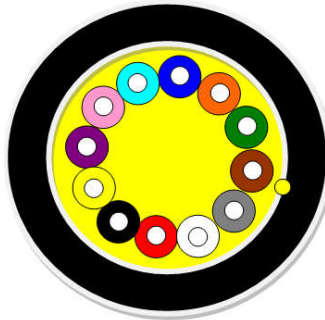


Technical Specification

12x50/125µm Multimode OM4 MTD Indoor LS0H FO Cable

Part Number: N56-01201-xx7-BB

Revision 01/18 Date: 18 October 2018



12x50/125µm OM4 Multimode color coded tight buffered optical fibers cabled together, served with aramid yarn and jacketed with yellow LS0H (HFFR) jacket for indoor use. The cable conforms to EU Regulation 305/2011 (CPR) Class B2ca-s1a,d1,a1.

100cm buffer can be stripped without damaging the fibers.

Cable Construction

Optical fiber	50/125µm Multimode OM4 - ISO/IEC 11801 A1a.3 - IEC 60793-2-10 - TIA-492 AAAD
Core diameter	50±3.0 µm
Clad diameter	125±2.0 µm
Cladding non-circularity	2% max.
Core/Cladding concentricity error	3.0 µm max.
Primary coating diameter	245±15 µm
Proof test level	100 kpsi min.
Buffer coating	Tight LS0H compound.
Tight buffer OD	900±50 µm
Number of optical fibers	12
Fibers Color code	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise.
Core formation	Tight-coated color coded fibers cabled together and served with aramid yarn
Rip cord	Aramid rip-cord is laid in parallel for easy jacket removal
Outer jacket	LS0H (HFFR) compound for indoor use
Jacket thickness	1.2±0.1 mm
Jacket color	Black RAL 9005
Outer diameter	6.5 mm nom.
Cable weight	50 kg/km
Surface Marking	HCS N56-01201 MTD 12x50/125µ OM4 MM ANSI/TIA-568-C.3 ISO/IEC-11801 INDOOR FO LS0H LAN CABLE FR IEC 60332-1 CE CPR Class B2ca-s1a,d1,a1 CE 2011/65/EU (RoHS-2) [Hwwyy] [Meter Mark] METER - LGCE -

Mechanical Properties

Physical Properties	Value	Test Method
Tensile strength - short term	1200 N max. No fiber break.	IEC-60794-1-2 E1
Tensile strength - long term	600 N max. No fiber break.	IEC-60794-1-2 E1
Tight buffer stripability	100 cm buffer min. strippable without damaging the fiber	-
Compressive load (crush resistance)	3000 N/10cm max. No fiber break.	IEC-60794-1-2 E3
Impact	10J max, 3 impacts. No fiber break.	IEC-60794-1-2 E4
Bend radius	10xD min. IL increase: 0.05dB	IEC-60794-1-2 E11
Temperature cycling	-30 to +60°C. Max. IL increase: 0.05dB	IEC-60794-1-2 F1
Storage Temperature range	-20 to +70°C	-
Installation Temperature range	-5 to +50°C	-
Operating Temperature range	-10 to +50°C	-
Flame test	IEC 60332-1-2 & IEC 60332-1-3	IEC 60332-1
Acid gas	IEC 60754	IEC 60754
Smoke density	IEC 61034	IEC 61034
EU Regulation 305/2011 (CPR) conformance	Class B2ca-s1a,d1,a1. NB 1783	EN 13501

Optical Transmission Properties

Fiber P/N	Multimode Fiber Type	Multimode Fiber Grade & Standard	Attenuation (dB/Km)				Min. Bandwidth (MHz·Km)		Min. Bandwidth (MHz·Km)		Numerical Aperture
			850nm		1300nm		850nm	1300nm	850nm	1300nm	
			Nom	Max	Nom	Max	OFL		Laser EMB		
56	50/125μm	OM4 - ISO/IEC 11801 TIA-492 AAAD A1a.3 - IEC 60793-2-10 TIA-568-C.3	3.0	3.5	1.0	1.5	3500	500	4700	500	0.200±0.015

This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)