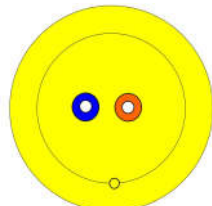
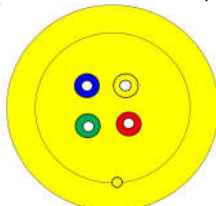


Technical Specification
50/125µm Multimode OM3 MTD Indoor LS0H GJPFJH FO Cables
Part Number: N54-xxx03-xx8

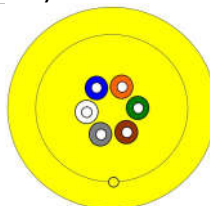
Revision 07/22 Date: 12 January 2022



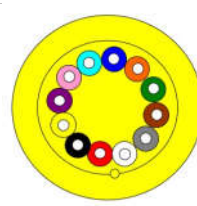
N54-00203-xx8



N54-00403-xx8



N54-00603-xx8



N54-01203-xx8

OM3 Multimode color coded tight buffered optical fibers are cabled together, served with aramid yarn and jacketed with Yellow FR-LS0H jacket for indoor use.

Optical fibers

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		
50/125µm	OM3 - ISO/IEC 11801 TIA/EIA-568-C.3 - 10GBE	3.0	3.5	0.7	1.5	1500	500	2000	500	0.200±0.020

Cable Construction

Buffer coating	Tight LS0H compound
Tight buffer OD	900±50 µm
Number of optical fibers	2, 4, 6 or 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 or polyester rip-cord is laid in parallel for easy jacket removal
Outer jacket	FR-LS0H compound for indoor use
Outer jacket thickness	0.8±0.2 mm
Color	Yellow, RAL 1021
Surface marking - N54-00203	HCS N54-00203 MTD 2x50/125µ ANSI/TIA-568-C.3 ISO/IEC-11801 OM3 INDOOR LS0H FO LAN CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Batch Number] [Week , Year] [Meter Mark] METER
Surface marking - N54-00403	HCS N54-00403 MTD 4x50/125µ ANSI/TIA-568-C.3 ISO/IEC-11801 OM3 INDOOR LS0H FO LAN CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Batch Number] [Week , Year] [Meter Mark] METER
Surface marking - N54-00603	HCS N54-00603 MTD 6x50/125µ ANSI/TIA-568-C.3 ISO/IEC-11801 OM3 INDOOR LS0H FO LAN CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Batch Number] [Week , Year] [Meter Mark] METER
Surface marking - N54-01203	HCS N54-01203 MTD 12x50/125µ ANSI/TIA-568-C.3 ISO/IEC-11801 OM3 INDOOR LS0H FO LAN CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Batch Number] [Week , Year] [Meter Mark] METER

Mechanical Properties

Cable type	Cable OD	Total weight
N54-00203-xx8	4.5 mm nom.	22 kg/km nom.
N54-00403-xx8	5.0 mm nom.	24 kg/km nom.
N54-00603-xx8	5.5 mm nom.	26 kg/km nom.
N54-01203-xx8	6.5 mm nom.	34 kg/km nom.
Physical Properties	Value	Test Method
Tensile strength - short term	660 N max. Loss: 0.2dB max.	IEC-60794-1-21 E1
Tensile strength - long term	220 N max. Loss: 0.2dB max.	IEC-60794-1-21 E1
Compressive load (crush resistance)	220N/10cm max.	IEC-60794-1-21 E3
Impact resistance	1.5 N*m max. 3x2 impacts	IEC-60794-1-21 E4
Repeated bending	300 cycles, 20xD	IEC-60794-1-21 E6
Bend radius - short term	20xD min.	IEC-60794-1-21 E11
Bend radius - long term	10xD min.	IEC-60794-1-21 E11
Temperature cycling	-30 to +60°C	IEC-60794-1-22 F1
Storage Temperature	-40 to +75°C	N/A
Operating Temperature	-20 to +70°C	N/A
Installation Temperature	-0 to +50°C	N/A
Flame test	IEC 60332-1 (Flame propagation), IEC 60754 (Acid gas) & IEC 61034 (smoke density)	

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