



Simplex & Duplex Assembly Cable

Simplex & Duplex LSZH Assembly Cable

Features

- Fire resistant low smoke, zero halogen outer jacket design is perfectly suited for data centres & confined spaces
- Corning® OM1, OM3, OM4, OM5, G652.D, G657A1, G657A2 singlemode fibre
- Available in a range of jacket colours
- 900um buffered fibre can be direct-terminated with standard connectors
- Tightly packed aramid yarn in cable offers for high tensile strength and excellent mechanical characteristics

Application

- Optical telecommunication networks
- Fibre patching and interconnection
- Data centre, LAN, SAN and WAN networks

Design

Fibre Optic Systems simplex and duplex patch cord is designed for interconnection and patching applications. The cable is designed with a low smoke zero halogen (LSZH) jacket. Aramid yarn wrapped around one or two tight buffered fibres provide protection and mechanical strength while maintaining flexibility. Available in a wide range of jacket colours for excellent network identification.

Technical Information

Product Color	Default Colours:
	Singlemode: Yellow (-YL)
	Multimode OM1: Orange (-OR)
	Multimode OM3/4: Aqua (-AQ)
	Colour Options
	-BU: Blue
	-GN: Green
	-GY: Grey
	-WH: White
	-BK: Black
	-RD: Red
	-PU: Purple/Violet
	-PK: Pink
	-EV: Erica Violet
Color Code	TIA598
Temperature, Operation [°C]	-20 to +70
Temperature, Storage [°C]	-20 to +70
Temperature, Installation [°C]	0 to +60
Fiber Type	G657A1,G652D,G657A2,OM1,OM3,OM4,OM5
Attenuation @Wavelength [nm]	1310/1550/1625 850/1300
Maximum Attenuation [dB/km]	0.35/0.21/0.23 3.0/1.0* excl OM1
Conformance	Temperature Cycling: (IEC 60794-1-2-F1)
	Tensile Force: (IEC 60794-1-2-E1)
	Crush resistance: (IEC 60794-1-2-E3)
	Torsion Resistance: (IEC 60794-1-21-E7)
	Cable Bend Radius: (IEC 60794-1-2-E11A)

Items 13

Item Name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
Simplex LSZH Assembly Cable 1F Multimode OM1 F-A1M1- LSZH-2OR	Orange *Can be ordered in different colours as well	1	1x1	29	100	60	1000	5 Cycles (± 180°) 50 N, 2m length	2	4.5
Simplex LSZH Assembly Cable 1F Multimode OM1 F-A1M1- LSZH-3OR	Orange *Can be ordered in different colours as well	1	1x1	29	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	3	8.6
Simplex LSZH Assembly Cable 1F Multimode OM3 F-A1M3- LSZH-2AQ	Aqua *Can be ordered in different colours as well	1	1x1	29	100	60	1000	5 Cycles (± 180°) 50 N, 2m length	3	8.6
Simplex LSZH Assembly Cable 1F Multimode OM3 F-A1M3- LSZH-3AQ	Aqua *Can be ordered in different colours as well	1	1x1	29	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	2	4.5
Simplex LSZH Assembly Cable 1F Singlemode G657A2 F-A1S2-LSZH- 2YL	Yellow *Can be ordered in different colours as well	1	1x1	29	100	60	1000	5 Cycles (± 180°) 50 N, 2m length	2	4.5
Simplex LSZH Assembly Cable 1F Singlemode G657A2 F-A1S2-LSZH- 3YL	Yellow *Can be ordered in different colours as well	1	1x1	29	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	3	8.6
Duplex LSZH Assembly Cable 2F Multimode OM1 F-A2M1- LSZH-2OR	Orange *Can be ordered in different colours as well	2	2x1	40	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	2	7.5
Duplex LSZH Assembly Cable 2F Multimode OM1 F-A2M1- LSZH-3OR	Orange *Can be ordered in different colours as well	2	2x1	40	300	160	1000	5 Cycles (± 180°) 50 N, 2m length	3	14.2

Item Name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
Duplex LSZH Assembly Cable 2F Multimode OM3 F-A2M3- LSZH-2AQ	Aqua *Can be ordered in different colours as well	2	2x1	40	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	2	7.5
Duplex LSZH Assembly Cable 2F Multimode OM3 F-A2M3- LSZH-3AQ	Aqua *Can be ordered in different colours as well	2	2x1	40	300	160	1000	5 Cycles (± 180°) 50 N, 2m length	3	14.2
Duplex LSZH Assembly Cable 2F Multimode OM4 F-A2M4- LSZH-2AQ	Aqua *Can be ordered in different colours as well	2	2x1	40	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	2	7.5
Duplex LSZH Assembly Cable 2F Singlemode G657A2 F-A2S2-LSZH- 2YL	Yellow *Can be ordered in different colours as well	2	2x1	40	160	80	1000	5 Cycles (± 180°) 50 N, 2m length	2	7.5
Duplex LSZH Assembly Cable 2F Singlemode G657A2 F-A2S2-LSZH- 3YL	Yellow *Can be ordered in different colours as well	2	2x1	40	300	160	1000	5 Cycles (± 180°) 50 N, 2m length	3	14.2