

Introduction

As the industry's leading supplier of single-mode cable assemblies, Corning offers the most complete line of connectors and factory-terminated cables. From single-fiber jumpers to high fiber count assemblies, Corning products meet or exceed industry standards for reflectance and insertion loss. Corning state of the art manufacturing process ensures excellent connector performance. We thoroughly screen the fibers and ferrules at the beginning of the process, assemble them in a carefully monitored and controlled automated assembly and polishing process, and quality test our assemblies at the end of the process. This automated assembly and polishing process assures the same outstanding quality in every connector.

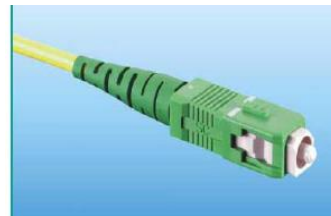
FC/UPC Connector



SC/UPC Connector



SC/APC Connector



APPLICATIONS		
CATV	Active device termination	Telecommunication Networks
Metro	Local Area Networks (LANs)	Data processing Networks
Test equipment	Premise installations	Wide Area Networks (WANs)

AVAILABILITY	
Simplex/ Duplex patch-cord available	Fan-Out available
Pigtail available	Various boot (cable) sizes available

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-326-CORE	

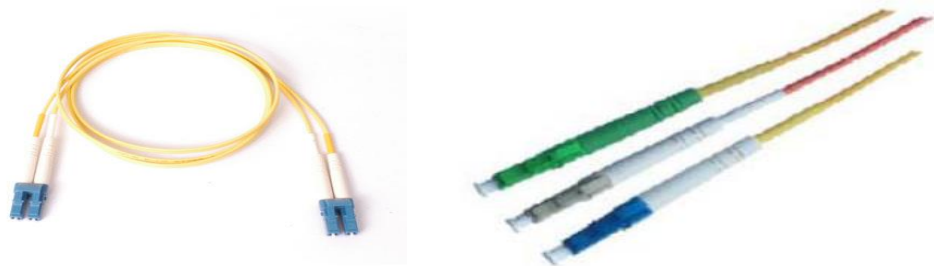
SPECIFICATIONS		
	Single Mode	Multimode
Insertion Loss	≤ 0.2dB	≤ 0.2dB
Return Loss	≥ 45dB (PC) ≥ 50dB (UPC) ≥ 60dB (APC)	
Repeatability	≤0.1	
Transmission performance	1310 / 1550 nm	850 / 1300 nm
Durability	≤0.2dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	> 10kg.	
Operating Temperature	-40 to + 85°C	-40 to + 85°C
Approvals and listing	OFNR or LSZH IEC 61304 Low Smoke, Flame Retardant IEC 60332-3 IEC 60752-2 Non-Corrosive	

ORDER INFORMATION		
Type	Single Mode	Multimode
Outer diameter	0.9, 2, 2.4, 3 mm	2, 3 mm
Boot Color	Yellow, Black, Blue, Beige	White
Fiber Type	9/125μm	50/125μm 62.5/125μm
Cable number	Simplex, Duplex, Fan-out (4f, 8f)	
Application	PC/ UPC/ APC	
Length	Customized	

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LC Connector



Applications		
Gigabit Ethernet	Active device termination	Telecommunication networks
Video	Multimedia	Industrial
Military	Premise installations	

AVAILABILITY	
Simplex/ Duplex patch-cord available Pigtail available	Various boot (cable) sizes available LC/UPC & LC/APC patch-cord available

FEATURES	
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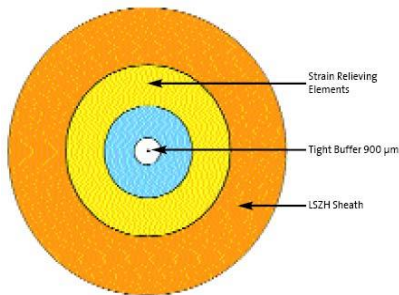


Fig.1

CABLE FOR ASSEMBLIES

Applications

Simplex bulk cabling for cable assembly manufacturing operations is designed with 900 µm tight buffers for direct assembly of single-fiber connectors.

Features

- Utilizes 900 µm Tight-buffered fibers with TB4 , TB3 coating, enabling easy stripping Flame-retardant jacket.
- Cables meet the application requirements of the National Electrical Code® (NEC®Article 770) and are listed Jelly free
- All-dielectric cable construction requires no grounding or bonding
- Jacket - OFNR (PVC Flame-retardant to IEC 60 332-3 , FRNC (Flame-retardant to IEC 60 332-3 and noncorrosive to IEC 60754-2) , LSZH (Low-smoke to IEC 61034 and zero-halogen
- Overall diameter 3.0 , 2.4 , 2.0 mm
- Yellow jacket (single mode) , Orange (multimode)
- Strain relief - Aramid Yarns around tight buffer , no adhesion to jacket of buffer tube

Optical Fiber, continually pushing single-mode fiber to new performance levels., As the first manufacturer to upgrade standard single-mode fiber worldwide, we're providing our customers with greater value today and in the future., optical fiber is: Incompliance with or exceeding the industry's most stringent requirements, including: ITU-T G.652 (all tables) , IEC Specifications 60793-2-50 Type B1.3 , TIA/EIA 492-CAAB , Telcordia's GR-20

