



## PRODUCT DESCRIPTION

- Hyperline's Optical patch cords (patch-cords) are made of high quality fiber optic cables and connectors in accordance with international standards. All products undergo multi-stage (quality) control and are tested 100%. This includes a visual inspection using a microscope, visual inspection of the polished ends, as well as a functional light test that is metered in order to measure the level of insertion and return loss. For ordering patch-cords, they are available in many different varieties such as singlemode 9/125 (OS2), and multimode 50/125, 62.5 / 125 (OM1, OM2, OM3, OM4) optical fiber, single (simplex) and dual (duplex) with various outer sheath materials and the fixed length cables 1, 2, 3, 5 meters; Made to order lengths of 10, 15, 20, 30 meters and others are also available upon request.

## APPLICATIONS

- Switching equipment and fiber optic segments
- Cable television (CATV & CCTV)
- Network FTTH «fiber to the home»
- Data transmission network

## FEATURES & BENEFITS

- High-polished lugs and low loss
- Various types of cables, connectors, and the optical fiber
- All products are 100% tested at the factory

## COMPLIANCE

- EC 60874, IEC 60793-2-10, TIA / EIA-604-5, TIA / EIA-492AAAC (D)
- Dimensions and optical characteristics: Telcordia GR-326-CORE
- FR (flame retardant) PVC, LSZH: IEC 60332-3C



## SPECIFICATIONS

Cable	The number of fibers (cable type)	1, 2 fiber (simplex, duplex)	
	Fiber type	Singlemode 9/125 (OS2 - G652, G657)	Multimode 50/125 (OM2 / OM3/OM4)
	Seal coating	Low smoke halogen compound (LSZH)	
	Reinforcement	Reinforcing aramid yarns	
	Outer shell	Polyvinyl chloride (PVC), halogen-free compound (LSZH), polyurethane (PU)	
	The outer diameter of the cable	0.9 / 2.0 / 2.4 / 3.0 mm (depending on the type of cable)	
Connectors	Type connectors	SC, DSC (duplex), LC, DLC (duplex)	
	Polishing grade	PC, UPC, APC	
	The radius of the tip end	PC, UPC: 10-25 mm; APC: 5-12 mm (angle of $8^\circ \pm 0,3^\circ$ )	
	The displacement of the apex	≤ 50 microns	
	Housing	SC: polybutylene terephthalate; LC: Thermoplastic;	
	Centering sleeve	SC, LC: Nickel-plated brass	
	Tip (ferrule)	Zirconia	
	Shank	Polymer or elastomer Keyflex	
	Dust cap	Low density polyethylene	
Relative humidity		≤ 93% (non-condensing)	
Operating temperature		-20 ° C - + 85 ° C (depending on the type of cable)	
Resource connection		≥ 750 cycles	

## OPTICAL BEHAVIOR

Polishing Type		Insertion Loss	Retro Reflection
PC	- basic	0.2 dB	-25 ... -30 dB
UPC	- ultra	0.2 dB	-45 ... -50 dB
APC	- angled	0.3 dB	-60 ... -70 dB

## ORDERING

CONNECTOR OPTICE FIBER	LENGTH	POLISH-ING TYPE	SINGLE MODE	OM2	OM3	OM4
			PART NO.	PART NO.	PART NO.	PART NO.
LC-LC , DUPLEX	N=1,2,3,5,10, 15, 30, 30M	PC	FC-9-LC-LC-PC-N-LSZH	FC-50-LC-LC-PC-N-LSZH	FC-503-LC-LC-PC-N-LSZH	FC-504-LC-LC-PC-N-LSZH
LC-LC, DUPLEX	N=1,2,3,5,10 15, 30, 30M	APC	FC-9-LC-LC-APC-N-LSZH			
LC-LC , DUPLEX	N=1,2,3,5,10 15, 30, 30M	UPC	FC-9-LC-LC-UPC-N-LSZH			
SC-SC, DUPLEX	N=1,2,3,5,10 15, 30, 30M	PC	FC-9-SC-SC-PC-N-LSZH	FC-50-SC-SC-PC-N-LSZH	FC-503-SC-SC-PC-N-LSZH	FC-504-SC-SC-PC-N-LSZH
SC-SC, DUPLEX	N=1,2,3,5,10 15, 30, 30M	APC	FC-9-SC-SC-APC-N-LSZH			
SC-SC ,DUPLEX	N=1,2,3,5,10 15, 30, 30M	UPC	FC-9-SC-SC-UPC-N-LSZH			



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