

# BREAKOUT FIBRE PATCH CORD

This Breakout Optic Patch Cord is constructed of two simplex units, held together with an overall PVC/LSZH jacket. It is ideal for use in office LAN connections, patch cords, pigtails and internal point-to-point links where frequent handling is likely (e.g. data cabinets, equipment rooms, user outlets). Utilizing 900 µm buffered fibre, the cable unit is suitable for use with industry standard connectors and can be easily made into a patch cord.



## COMPLIANCE

Telcordia (formerly Bellcore) GR-326-CORE Generic requirements for Single mode optical connectors and Jumper assemblies.

IEC 874-1 Generic specification for fibre optic connectors and cables

ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173, UL94V-0

Cable flame resistant rate: OFNR or IEC60332-3 standard

## KEY FEATURES

ST, SC, FC, LC, MT-RJ, E2000 connectors

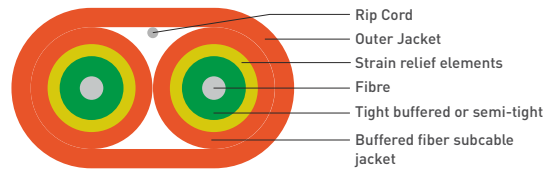
Position A/Position B markings

100% factory transmission tested per ANSI/TIA-568-C.3

Choice of fibre type

High strength aramid yarn strength members for ease of handling

Easy to strip



## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Range of Mode	Single or Multimode
Cable Type	Duplex
Connector Style	SC, FC, ST, LC, MTRJ, E2000
Polish or Ferrule Interface Type	PC, UPC, APC
Cable Diameter	3.7x6.2mm
Lengths	Standard & Custom Lengths
Strength Member	Aramid Yarn
Outer Jacket	PVC or LSZH
Cable Assembly Length (<15 meter Tolerance)	-0/+100mm
Cable Assembly Length (>15 meter Tolerance)	-0/+10%
Jacket Colour (Multimode: OM1 & OM2)	Orange
Jacket Colour (Multimode: OM3 / OM4)	Aqua/Violet
Jacket Colour (Single Mode: OS1 & OS2)	Yellow
Durability	500 cycles(0.2 dB max increase), 1000mate/demate cycles
Operating Temp.	-20 °C to +70°C
Storage Temp.	-40 °C to +85°C
Max. Pull Force (Long term)	600N
Max. Crush Resistance (Long term)	600N/dm
Min. Bending Radius (static)	35mm
Min. Bending Radius (dynamic)	65mm

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## OPTICAL CHARACTERISTICS

Fibre Type	Max. Attenuation (dB/km)				Min. Overfill Launch Bandwidth (Mhz•km)		Min. Gigabit Ethernet Link Distance (m)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10Gigabit
OM1 62.5/125µm	≤2.7	≤0.6	-	-	≥200	≥600	275	550	-
OM2 50/125µm	≤2.5	≤0.7	-	-	≥500	≥500	550	550	-
OM3 50/125µm	≤2.3	≤0.6	-	-	≥1500	≥500	1000	600	300
OM4 50/125µm	≤2.3	≤0.6	-	-	≥3500	≥500	1000	600	550
OS1 9/125µm	-	-	≤0.34	≤0.20	-	-	-	-	-
OS2 9/125µm	-	-	≤0.34	≤0.24	-	-	-	-	-

## OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert. Loss/Connector (Single Fibre)	0.2dB Max. (0.15dB typ.)			0.3dB Max. (0.25dB typ.)		
Return Loss	≥45 dB	≥50 dB	≥60 dB	N.A		
Insert. Loss/MTRJ Connector	0.5dB Max. (0.45dB typ.)			0.5dB Max. (0.45dB typ.)		
Pull strength	≥98N	≥98N	≥98N	≥98N		

## ORDERING INFORMATION

Part Code	Description
337-190M1T1T1002	ST/PC- ST/PC Breakout Duplex OM1 Patch Cord PVC, 2m
337-190M1T1T1010	ST/PC- ST/PC Breakout Duplex OM1 Patch Cord PVC, 10m
337-190M1T1T1025	ST/PC- ST/PC Breakout Duplex OM1 Patch Cord PVC, 25m
337-190M1T1T1030	ST/PC- ST/PC Breakout Duplex OM1 Patch Cord PVC, 30m
337-190M1T1T1035	ST/PC- ST/PC Breakout Duplex OM1 Patch Cord PVC, 35m
337-190M1T1L1020	ST/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 20m
337-190M1T1L1025	ST/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 25m
337-190M1L1L1025	LC/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 25m
337-190M1L1L1030	LC/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 30m
337-190M1L1L1045	LC/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 45m
337-190M1L1L1050	LC/PC- LC/PC Breakout Duplex OM1 Patch Cord PVC, 50m