

### Armoured Fiber Patch Cord



#### Descriptions:

Braun Group Armoured fiber optic cable is with stainless steel tube inside the outer jacket to protect the central unit of the cable. They are strong and flexible, can be bend randomly without being broken.

#### Features:

- Steel tape armoured inside outer jacket
- Resist damage by improper twist
- Resistance of pressure and rodent bite
- Different fiber optic connector types optional
- Low insertion loss
- Custom cable lengths optional

#### Technical

Parameter	Unit	FC, LC, SC				ST, MU			MTRJ			E2000	
		SM			MM	SM		MM	SM		MM	SM	
		PC	UPC	APC	PC	PC	UPC	PC	PC	UPC	PC	PC	APC
Insertion loss (typical)	dB	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.2	≤0.3
Return loss	dB	≥45	≥50	≥60	≥35	≥45	≥50	≥30	≥45	≥50	≥35	≥55	≥75
Exchangeability	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Vibration	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Operating temperature	°C	-40~75				-40~75			-40~75			-40~75	
Storage temperature	°C	-45~85				-45~85			-45~85			-45~85	
Cable diameter	mm	φ3.0, φ2.0, φ0.9				φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9	



Type	Standard, Master
Style	LC, SC, ST, FC. MU, DIN, D4, MPO, SC/APC, FC/APC, LC/APC. MU/APC
	Duplex MTRJ/Female, MTRJ/Male
Fiber Type	9/125 SMF-28 or equivalent (Single made) OS1
	50/125, 62.5/125 (Multimode) OM2& OM1
	50/125, 10G (Multimode) OM3
Cable Type	Simplex, Duplex (Zip cord)
	Φ 3.0mm, Φ 2.0mm, Φ 1.8mm
	Φ 1.6mm PVC or LSZH
	Φ 0.9mm, Φ 0.6mm buffered fiber PVC or LSZH
Polishing Manner	UPC, SPC, APC (8° & 6° )
Insertion Loss	≤ 0.1dB (For Single mode Master)
	≤ 0.25dB (For Single mode Standard)
	≤ 0.25dB (For Multimode)
	Tested by JDS RM 3750
Return Loss(For Single mode)	UPC ≥ 50dB
	SPC ≥ 55dB
	APC ≥ 60dB (typ. 65dB)
	Tested by JDS RM3750
Repeatability	± 0.1dB
Operating temperature	-40° to 85°
Geometry Requirement	Ferrule Endface Radius
(For Single mode)	7mm ≤ R ≤ 12mm (For APC)
	10mm ≤ R ≤ 25mm (For Standard)
	Apex Offset ≤ 30 μ m (For Master)
	Apex Offset ≤ 50 μ m (For Standard)
	Undercut -50nm ≤ U ≤ 50nm
	Tested by DORC ZX-1