

Drop Cable SC UPC to SC UPC

Optical Fiber Drop Cable

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Variants

150M 100M 50M 300M 30M 125M 200M 75M

Details

1 Core Drop Fiber Cable (G.657A1) – Technical Data

Cable Structure & Parameters

Parameter	Specification
No. of Fiber	1 Core
Fiber Model	G.657A1
Messenger	Stranded Steel Wire (7×0.3mm / 0.9mm)
Strength Member	Steel Wire Ø0.4mm
Outer Sheath	LSZH, Black
Cable Diameter	1.8 × 4.8 mm
Cable Weight	15 kg/km

Optical Performance

Parameter	Value
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Attenuation @1310nm	? 0.40 dB/km
Attenuation @1550nm	? 0.30 dB/km

Mechanical Performance

Parameter	Short Term	Long Term
Tensile Strength	600 N	300 N
Crush Resistance	2200 N/100mm	1000 N/100mm

Temperature Range

Condition	Range
Installation	-20°C ~ +60°C
Transport & Storage	-40°C ~ +60°C
Operation	-40°C ~ +60°C

Patch Cord Specifications

Parameter	Value
Insertion Loss	? 0.2 dB
Return Loss (APC)	? 60 dB
Return Loss (UPC)	? 50 dB
Available Length	30m, 50m, 75m, 100m, 125m, 150m, 200m, 300m

Fiber Properties (ITU-T G.657A1)

Parameter	Specification
Fiber Type	Single Mode

Attenuation	? 0.35 dB/km @1310nm, ? 0.21 dB/km @1550nm
Cut-off Wavelength	? 1260 nm
Dispersion	? 18 ps/(nm·km) @1550nm