MPOP-12OS2-APCFF-xx

OS2 MPO/APC Patch Cable

Product configuration

Parameter	Specification
Configuration	12 fibers; OS2; APC; female-female; polarity B; 3 mm

General cable-series options

Parameter	Specification
Polarity / core options	Type A or B / 8, 12 or 24 fibers
MTP/MPO gender	Male (with pins); female (without pins); male-female
Fiber options	SM: G652D, G657A1, G657A2; MM: OM3/150, OM3/300, OM4, OM5
Jacket options	PVC; Riser (OFNR); Plenum (OFNP); LSZH
Connector / polish options	MTP or MPO; APC or UPC
Custom length range	1-999 m

General optical specifications

Parameter	Specification
SM Standard - typical / maximum IL	0.35 / 0.75 dB
SM Elite / Low - typical / maximum IL	0.20 / 0.35 dB
MM Standard - typical / maximum IL	0.35 / 0.60 dB
MM Elite / Low - typical / maximum IL	0.20 / 0.35 dB
Return loss: APC, 8° angle polish	= 60 dB
Return loss: UPC	= 50 dB
Return loss: UPC Standard	= 20 dB

Mechanical and environmental tests

Parameter	Specification
Tensile test optical change	= 0.3 dB (maximum 66 N)
Vibration optical change	= 0.3 dB (10-55 Hz)
Temperature-cycle optical change	= 0.3 dB (-40°C to +75°C; 21 cycles)

Applications and quality

MTP/MPO series applications: 40G, 100G, 200G and 400G data center cabling. Assemblies are 100% tested. Cable routing is simplified to reduce fiber-management space. General series options and performance classes above are not additional configurations of this parent product.