

opticalCON MTP® Extreme Mil-Tac Cable Assembly Technical Information

Technical Information

Product	
Title	opticalCON MTP® X-TREME
Mechanical	
Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	2500 mating cycles
Wiresize	
Locking device	Push-Pull
Material	
Boot	Rubber (EPDM)
Bushing	Zinc diecast (ZnAl4Cu1)
Insert	Polyamide (PA 6, PBT 30 % GR, PBT 50 % GR)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black chromium
Strain relief	Brass (CuZn39Pb3) + PU, Ni (brass)

Environmental	
Temperature range	-40°C to +75 °C
Protection class	in mated condition IP65
Optical	
Insertion loss	< 0.9 dB /connection
Optical connector	MTP® ELITE female
Optical wiring	Method A
Mobile cable	
Colour	black, matte
Core diameter	Singlemode 9 µm, Multimode 50 µm OM3
Cladding diameter	125 µm
Comment	PUR
minimal bending radius	10.8 cm
Number of fibers	12
Cable retention	Aramid yarn
Weigth	111 kg/km
Overall diameter	10.8 mm