

# opticalCON Duo Extreme Mil-Tac

## Cable Assembly Technical Information

### Technical Information

Product	
Title	opticalCON DUO X-TREME
Connection Type	opticalCON
Gender	male
Mechanical	
Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	5000 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	POM (brass)
<b>Environmental</b>	
Temperature range	-40°C to +75 °C
Protection class	in mated condition IP65
<b>Optical</b>	
Insertion loss	< 0.5 dB / connection
Optical wiring	ISO / IEC 11801
<b>Mobile cable</b>	
Colour	black, matte
Core diameter	Single mode 9 µm, Multimode 50 µm
Cladding diameter	125 µm
Comment	PUR
minimal bending radius	10 cm
Number of fibers	2
Cable retention	Aramid Yarn
Weigth	82 kg/km
Overall diameter	9.2 mm
Outer shield	Coated glass yarn