

# opticalCON MTP® Broadcast Tactical Cable Assembly Technical Information

## Technical Information

Product	
Title	opticalCON MTP®
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

<b>Environmental</b>	
<b>Temperature range</b>	<b>-40°C to +75 °C</b>
<b>Protection class</b>	<b>in mated condition IP65</b>
<b>Optical</b>	
<b>Insertion loss</b>	<b>&lt; 0.9 dB</b>
<b>Optical connector</b>	<b>MTP® ELITE female</b>
<b>Optical wiring</b>	<b>Method A</b>
<b>Mobile cable</b>	
<b>Color</b>	<b>black, matte</b>
<b>Core diameter</b>	<b>Singlemode 9 µm, Multimode 50 µm OM3</b>
<b>Cladding diameter</b>	<b>125 µm</b>
<b>Comment</b>	<b>PUR</b>
<b>minimal bending radius</b>	<b>8.2 cm</b>
<b>Number of fibers</b>	<b>12</b>
<b>Cable retention</b>	<b>Aramid yarn</b>
<b>Weight</b>	<b>103 kg/km</b>
<b>Overall diameter</b>	<b>8.2 mm</b>