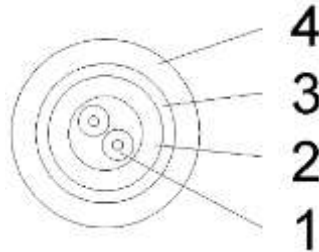


# TACTICAL FIBRE OPTIC CABLE FTMRMU



1. Optical fibres	2. Inner sheath	3. Strength members	4. Outer sheath
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Application	Non-metallic optical fibre cable for tactical applications.		
Construction	Optical fibres	Buffered and colour-coded single mode fibres according to the ITU-T G.652.D and G.657.A, OM1,OM2,OM3,OM4 multi-mode fibres	
	Inner sheath	A tube made of thermoplastic polyether-polyurethane.	
	Strength members	A layer of aramid yarns under the sheath.	
	Outer sheath	The cable sheath consists of UV resistant black thermoplastic polyether-polyurethane-elastomer compound.	

Maximum cabled fibre attenuation			
Wavelength	1310	1550	nm
Attenuation	0,40	0,25	dB/km

OM1 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	ns	ns	MHz×km
Bandwidth OFL, min	200	500	MHz×km

OM2 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	ns	ns	MHz×km
Bandwidth OFL, min	500	500	MHz×km

OM3 multimode fibre, cabled fibre attenuation and bandwidth			
Wavelength	850	1300	nm

Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	2000	ns	MHz×km
Bandwidth OFL, min	1500	500	MHz×km

<b>OM4 multimode fibre, cabled fibre attenuation and bandwidth</b>			
Wavelength	850	1300	nm
Attenuation, max	3,0	1,0	dB/km
Bandwidth laser EMB, min	4700	ns	MHz×km
Bandwidth OFL, min	3500	500	MHz×km

<b>Nominal dimensions</b>						
Fibres			Diameter [mm]			Weight [kg/km]
Count	Grouping	Colours	Coated fibre	Inner sheath	Cable	Cable
2	2×1	blue, white	0,75	2,8	4,6	17

<b>Mechanical characteristics (IEC60794-1-2)</b>			
Max. tension	- During installation	(max)	700 N
Crush strength	-With 100 mm plate	(max)	1500 N
Temperature range	- Operation		-40 to +60 °C

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