

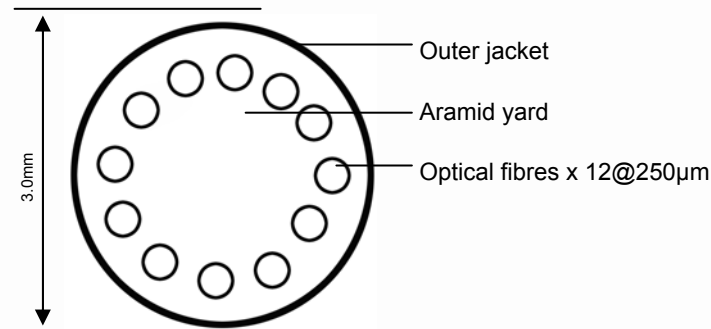


### Technical Description

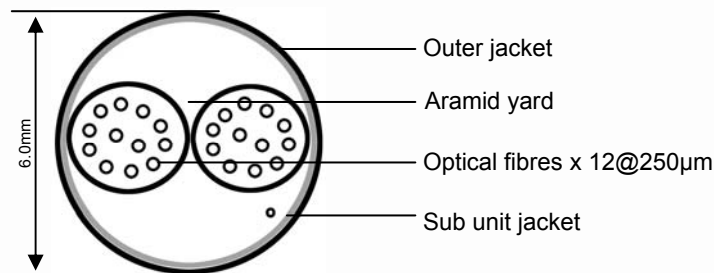
The MTP backbone cable is available to specified lengths in various fibre options including OM1, OM2, OM3, OM4, OS1 and OS2. Single mode and multimode cables are represented with different colour cables and connectors.

MTP backbone cables are manufactured using high performance US Conec connectors and are available as 12 or 24 core cables.

### Cable Construction of 12 core MTP cable



### Cable Construction of 24 core MTP cable



### MTP specifications

Types	Multimode		Single mode
	Standard	Low loss	
Insertion loss	≤0.5dB	≤0.3dB	≤0.3dB
Return loss	≥22dB	≥25dB	≥55dB
Test wave lengths*	850µm		1310µm

\*Additional or alternative test wave lengths maybe specified and these will be notified on the order

Cable Length Tolerance	
Length (L)	Tolerance
≤3M	+150mm/-0
3M to 30M	+300MM/-0
>30M	+1% max/-0

Cable colour details				
Colour is specified in the part number				
Type	Standard colour		Alternative colour	
OM4	Aqua	A	Purple	P
OM3	Aqua	A	Purple	P
OM2	Purple	P	Orange	O
OM1	Purple	P	Orange	O
OS1	Yellow	Y		
OS2	Yellow	Y		