

ParaTuff Deployable MIL-TAC Assemblies



Paragon offer a range of reel assemblies, manufactured using extremely rugged non-metallic MIL-TAC cable, with a range of Industry standard connectors.

ParaTuff Features

- Available in Multimode 50/125 OM3 or Single Mode 9/125 OS2
- Polyurethane (PUR) outer sheath as standard, Low Smoke Zero Halogen (LSZH) on request
- Embedded reel options (via centrally mounted adaptor plate)
- IP68 Rated plugs, bulkhead connectors and in-line adaptors (see IP68 examples below)
- Range of IP68 rated enclosures and break out boxes available
- Suitable for external or internal applications
- Compact design allows for larger capacity on smaller reels (see capacity chart)
- Excellent kink and crush resilience
- Very Flexible ruggedized construction
- Conforms to Military Specification; MIL-PRF-M85045 (5.5mm 2 & 4 core)
- 8-12 core fibre options upon request

ParaTuff MIL-TAC mini is a 2 core tactical cable with a 3.4mm diameter with the same construction as our standard ParaTuff assemblies. However, due to the smaller diameter of this cable, larger capacities are achievable on the same sized deployable reels. This smaller foot print makes this cable ideal for Indoor and Outside Broadcast applications.

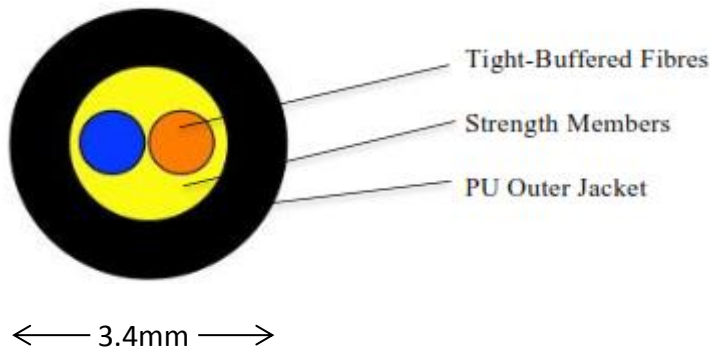
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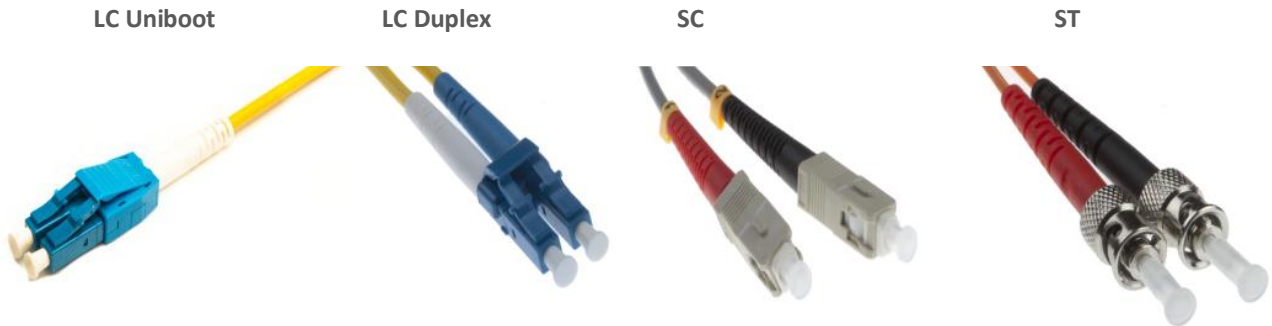
w: www.paragonnetworks.co.uk

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Industry Standard Connectors

Our ParaTuff assemblies use industry standard connectors including:



We also offer IP rated connectors for protection from dust and water ingress:

IP68 Connectivity Products



LC Duplex Plug

We also provide reels with 'embedded' connectors mounted in the centre of the reel, thus allowing daisy chaining of reels. We can customise reels to your specification, contact us to discuss.

ParaTuff MIL-TAC Deployable Reel Data

ParaTuff MIL-TAC Capacity per reel (metres).

Number of Fibres	2	4	8	12
Cable Diameter (mm)	5.5mm	5.5mm	6.5mm	6.5mm
Reel 235	80	80	60	60
Reel 310	150	150	110	110
Reel 380	290	290	215	215
Reel 450	390	390	300	300

Note: Larger reels with larger capacity are available, prices on application.

ParaTuff MIL-TAC Cable Characteristics

Number of Fibres	2	4	8	12
Cable Diameter (mm)	5.5	5.5	6.5	6.5
Tensile Load/ Installation (N)	1800	1800	1800	2100
Tensile Load/ Operational (N)	600	600	600	700
Crush Resistance (N/cm)	440	440	440	440
Weight Kg/Km	25	25	36	39
Minimum Bend Radius (mm)	55	55	65	65
Operating Temperature °C	-55 to +85			

ParaTuff MIL-TAC mini Deployable Reel Data

	Capacity (M)
Reel 235	200
Reel 310	400
Reel 380	750
Reel 450	1000

ParaTuff MIL-TAC mini Cable Characteristics

Number of Fibres	2
Cable Diameter (mm)	3.4 mm
Tensile Load/ Installation (N)	1000
Tensile Load/ Operational (N)	500
Crush Resistance (N/cm)	700
Weight Kg/Km	10
Minimum Bend Radius (mm)	35
Operating Temperature °C	-40 to +70

Note: All Capacity figures shown are the recommended maximum based on manual reeling by hand.