FIBRE OPTIC / TACTICAL FIELD CABLE

Mil Tac deployable fibre

Non-metallic tactical field cable for harsh environments.



2 and 4 core | Singlemode or multimode | Non-metallic | Halogen-free PUR sheath

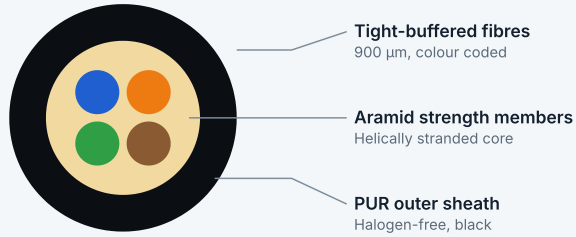
5.0 / 5.5 mm	23 / 24.5 kg/km	1800 N	−55 / +85 °C
Outer diameter, 2 / 4 core	Cable weight, 2 / 4 core	Tensile load, short term	Operating temperature

Overview

Rugged tactical field cable for temporary, flexible and mobile communication lines. Colour-coded tight-buffered fibres in a helically stranded core, with aramid yarn strength members and a robust halogen-free PUR sheath.

- **Easy to assemble**, suited to direct connector termination.
- **Optimised for repeated winding** on deploy reels.
- **High mechanical resistance** in a compact, flexible design.
- **Indoor and outdoor use**, in vehicles and shelters.

Cable construction



4 core shown · 2 core also available

Mechanical	2 core	4 core
Outer diameter	5.0 mm	5.5 mm
Weight	23.0 kg/km	24.5 kg/km
Tensile load, short term	1800 N	1800 N
Tensile load, long term	600 N	600 N
Min. bend radius, with tensile	50 mm	55 mm
Min. bend radius, no tensile	25 mm	30 mm
Max. crush resistance	150 N/cm	150 N/cm
Impact resistance*	100 impacts	100 impacts
Repeated bending**	2000 cycles	2000 cycles

* 2.25 Nm, R = 25 mm · ** at 100 N

Construction & environment	
Outer sheath	PUR, halogen-free
Jacket colour	Black
Strength members	Aramid yarn
Core	Helically stranded
Tight buffer	900 µm elastomeric
Fibre primary coating	Acrylate
Operating temperature	−55 °C to +85 °C
Storage temperature	−70 °C to +85 °C
Installation temperature	0 °C to +50 °C

Specifications are subject to change without notice.

Standards & tests

IEC 60794 | MIL-PRF-M85045

Tested at 1300/1310 nm, ΔIL < 0.3 dB.

Connector options

Standard: LC | ST | SC | FC

Harsh environment: LC Uniboot | LC IP-PRO2 (IP68) | SC IP-PRO2 (IP68)

Typical applications

Tactical field use | Rapid deployment | Vehicles & shelters

Deploy reel options GT235 · 80 m | GT310 · 150 m | GT380 · 290 m | GT450 · 390 m — Capacity, 2 and 4 core

Made to order, from one assembly upwards

Send a drawing, sketch or sample for a quote. Own-scheme labelling for trade partners.

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British-manufactured cable assemblies since 2009

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