

Fibreco connectors

Tactical Cable Assemblies

Productsheet
Tactical Cable Assemblies

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Contact

In case of any questions,
call us on +31 (0)416-387700 or
sent an email to:
sales@simacelectronics.nl.

We like to help you!



The Fibreco advantage

Fibreco manufactures custom fiber optic cable assemblies for a wide range of military and industrial harsh environment applications. Our manufacturing facility is geared for volume termination of the Senior, Junior and Mini expanded beam connectors. We keep large stocks of singlemode and multimode tactical fiber optic cable and deployable cable reels enabling fast turn-round production of all deployable cable assemblies, harnesses and bulkhead assemblies. Our facility is fully equipped with the latest automated termination, polishing and testing technology including interferometer ferrule endface characterisation and OpticalTime Domain Reflectometer testing.

Features

- Full range of connectors using expanded beam, physical contact and third party termini and connectors
- Multimode or singlemode cable
- 1 to 16 optical channels
- Fiber optic / copper hybrid assemblies
- Custom lengths
- High quality military tactical cable
- Wide range of deployable cable reels

Fibreco Expanded Beam
Fast and easy
Suitable for many applications
Designed for harsh environment



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Tactical Cable Assemblies

Optical

	Multimode 62.5/125 OM1	Multimode 50/125 OM2
Attenuation 850nm	3.5 dB/km	3.5 dB/km
Attenuation 1300nm	1.5 dB/km	1.5 dB/km
Bandwidth 850nm	200MHz.km	500MHz.km
Bandwidth 1300 nm	500MHz.km	500MHz.km
NA	0.27	0.20

	Singlemode 9/125 OS1
Attenuation 1310nm	0.5 dB/km
Attenuation 1550nm	0.5 dB/km
Dispersion 1310nm	3.5ps/nm.km
Dispersion 1550nm	18.0ps/nm.km
RI	1.470

Mechanical

Cable Diameter	2 core: 5.0mm, 4 core: 5.5mm, 6 core: 6.0mm, 8 core: 6.5mm, 12 core: 6.5mm, 16 core: 7.5mm
Weight	2 core: 21kg/km, 4 core: 27kg/km, 6 core: 32kg/km, 8 core: 38kg/km, 12 core: 51kg/km, 16 core: 60kg/km
Tensile Load (short term)	1800N
Crush Resistance	440N/cm
Impact Resistance	200 Impacts (EIA/TIA-455-24 Mil)
Cable Retention	1500N (Cable Dependant)
Connector Shell Material / Color	Black anodised Aluminium or Stainless Steel

Enviromental

Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C

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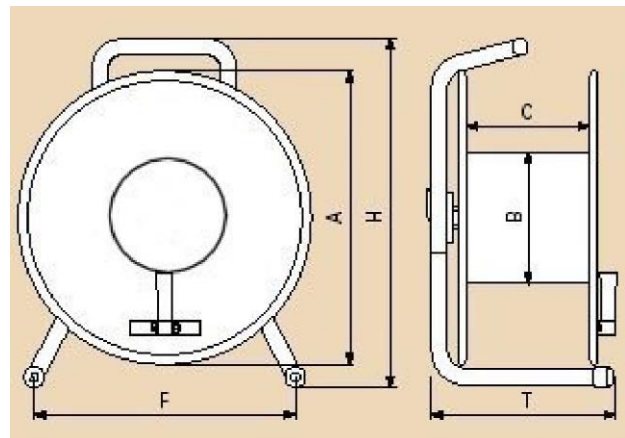
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Recommended Cable Capacity

Reel Ref	2 core (5.0mm)	4 core (5.5mm)	6 core (6.0mm)	8 & 12 core (6.5mm)	16 core (7.5mm)
R0310	180	150	125	100	80
R0380	350	300	250	200	150
R0385	600	300	350	300	250
R0582	1000	750	600	500	400

Reel Ref	Material	Weight kg	ØA	ØB	Width C	Width F	Height H	Depth T
R0310	Non-Metall	2.5	310	170	112	262	360	230
R0380	Steel	6.0	380	178	142	300	450	230
R0385	Steel	7.0	380	178	210	300	460	290
R0582	Steel	12.5	580	320	170	430	710	250



More information

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