

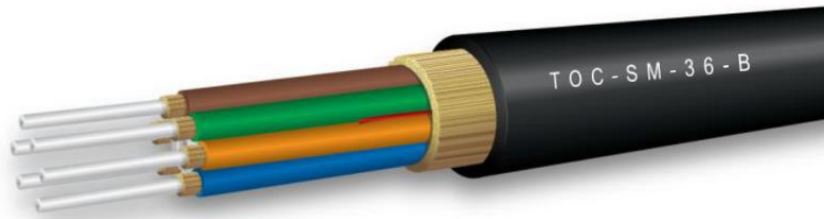
Fibre Optic Breakout Cable, 36 Channel, Singlemode

2mm Sub-cables. Part Code: TOC-SM-36-B

TechOptics

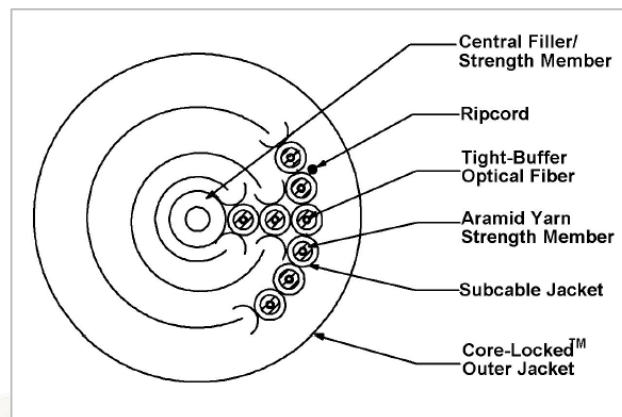
High performance, riser rated, 36 core fibre optic cable with singlemode fibre and 2.0mm sub-cables meeting the functional requirements of:-

- TIA-568
- TIA-598
- GR-409-CORE
- ICEA-S-104-696
- ICEA-S-83-596
- UL 1651
- UL 1666



Applications

- Ideal for installations requiring an extremely rugged and reliable cable design where maximum mechanical and environmental performance are necessary.
- Easiest cable to install where direct termination of the sub-cable to a connector and a direct run to panels are desired.
- Suitable for use in cable trays.



Cost Savings

- Direct termination onto sub-cable can eliminate the need to patch panels and patch cords reducing channel insertion loss.
- 900µm buffer eliminates the need for costly and time consuming installation fan-out kits or pigtail splices as connectors can be directly terminated onto the sub-cable.
- High crush resistance may negate the need for additional ducting.

Features

- High performance components and construction
- UL listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from floor to floor
- Most rugged and easy to install cable for enterprise cabling and cell tower applications
- Core-locked outer jacket design for installation survivability and long term trouble free service.
- Ideal for use in long vertical installations.
- 2mm sub-cables can be direct terminated with standard connectors (other sizes available).
- Sub-cabled fibre is environmentally and mechanically protected.
- Ideal for use in point-to-point runs in harsh environments.
- Direct termination to sub-cable provides additional strain relief for better connector retention during handling and installation.
- Design is ideal for direct pulling with mesh grips.
- Cable materials are indoor / outdoor – UV, water and fungus resistant.
- Wide operating temperature range of -40 to +85°C
- 2 – 72 fibre cables available.

Fibre Performance

Industry Standard Designation	Low Water Peak SM , ITU-T G.652.D
Core / Cladding Diameter	9/125µm
Primary coating diameter	245µm
Secondary buffer diameter	900µm
Wavelength	1310 / 1550nm
Max Cabled Attenuation	0.5 / 0.5 dB/km
Zero Dispersion Slope	0.092ps/nm ² -km
Proof test level	100kpsi

Cable characteristics

Jacket colour	Black
Jacket material	Indoor / Outdoor PVC
Buffer material	PVC
Sub unit diameter	2.0mm
Cable weight	253 kg/km
Cable diameter	16.8mm

Installation and Operating Characteristics

	Installation	Operating
Maximum tensile load	9,600N*	2,400N
Minimum bend radius	25.2cm	16.8cm

*Installation loads in excess of 2,700N (600lbs) are not recommended

Mechanical and Environmental

Impact Resistance EIA/TIA-455-25A	1,500 impacts
Crush Resistance TIA-455-41	2,200 N/cm
Flex Resistance TIA-455-104	2,000 cycles
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +85°C
Installation Temperature (actual cable)	-10°C to +60°C
Flame Retardance	UL Listed Type OFNR (UL 1666) and FT (CSA C22.2 No. 232)

For further information and to discuss your application please contact:-

Tech Optics Ltd.
6 Tannery Road
Tonbridge
Kent
TN9 1RF
UNITED KINGDOM

T: +44(0)1732 770 466
E: sales@techoptics.com



Specifications subject to change without notice.
Breakout cable, 36 core SM - 2018

ISO9001:2015
for the distribution
of fibre optic
products and the
manufacture of
fibre optic
assemblies.



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