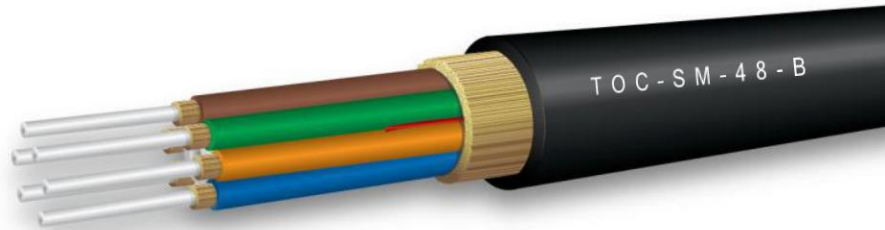


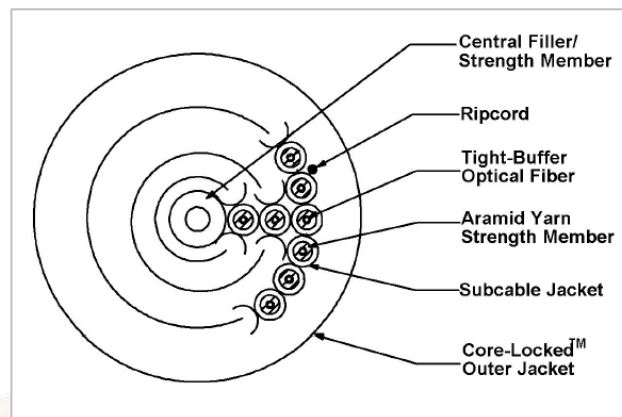
High performance, riser rated, 48 core fibre optic cable with singlemode fibre meeting the functional requirements of:-

- 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.
- 2.5mm sub-cables can be direct terminated with standard connectors.
- 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 <sup>2</sup> -km
Proof test level	100kpsi

## Cable characteristics

Jacket colour	Black
Jacket material	Indoor / Outdoor PVC
Buffer material	PVC
Sub unit diameter	2.5mm
Cable weight	483 kg/km
Cable diameter	2429mm

## Installation and Operating Characteristics

	Installation	Operating
Maximum tensile load	18,000N*	7,500N
Minimum bend radius	36.3cm (14.3in)	24.2cm (9.5in)

\*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	2,200N/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:-

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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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