

## FGT Cable - Class 2 - Non-Armoured, Aluminium, XLPE, LSZH - 16mm<sup>2</sup> to 185mm<sup>2</sup>



## Description

Power distribution cable for signal operations. With built in fibre glass tape to make it rodent-proof. Low smoke zero halogen sheath for internal use and installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

## Key Features



**Voltage Rating**  
600/1000 Volts



**Minimum Bending Radius**  
Fixed: 12 x Overall Diameter  
Flexing: 15 x Overall Diameter



**Temperature Limits**  
Temperature Range: -15°C to + 90°C  
Maximum short-circuit temperature: 250°C

## Core Colours

2 Core: Brown Black

3 Core: Brown Black Blue

4 Core: Brown Black Grey Red

## Standards

- Network Rail Specification NR/L2/SIGELP/27408
- XLPE Insulation to BS7655-1-3
- LSZH Sheath to BS 7655-6-1
- BS EN/IEC 60228

## Construction

- **Conductor:** Up to 95mm Class 1 solid, aluminium circular or sector shaped conductor 120mm, Class 1 solid or Class 2 stranded Aluminium sector shaped, 150mm and above, Class 2 Stranded Aluminium sector shaped
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Bedding:** LSZH (Low smoke Zero Halogen)
- **Tape:** Property of Network Rail- Manufacturer-Year
- **Water Blocking:** Non Conductive Water Blocking Tape
- **Anti Rodent Protection:** Fibre glass woven tape (FGT)
- **Radial Water Blocking:** Aluminium/Polyester (AL/PET) tape bonded to sheath
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

## QA Lab

### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



## CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

### ecovadis



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## FGT Cable - Class 2 - Non-Armoured, Aluminium, XLPE, LSZH - 16mm<sup>2</sup> to 185mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Rail Code
FGT2X16LSFWBSAC	16	2	25	680	006/186042
FGT4X16LSFWBSAC	16	4	30	890	NONE
FGT2X25LSFWBSAC	25	2	27	810	006/186043
FGT4X25LSFWBSAC	25	4	32.5	1090	NONE
FGT2X35LSFWBSAC	35	2	29	970	006/186044
FGT4X35LSFWBSAC	35	4	35	1310	NONE
FGT2X50LSFWBSAC	50	2	27	810	006/186045
FGT4X50LSFWBSAC	50	4	33.5	1250	NONE
FGT2X70LSFWBSAC	70	2	29	1010	006/186046
FGT4X70LSFWBSAC	70	4	38	1680	NONE
FGT2X95LSFWBSAC	95	2	32	1220	006/186047
FGT4X95LSFWBSAC	95	4	42	2090	NONE
FGT2X120LSFWBSAC	120	2	34	1450	006/186048
FGT4X120LSFWBSAC	120	4	45	2510	NONE
FGT2X150LSFWBSAC	150	2	36	1680	NONE
FGT2X185LSFWBSAC	185	2	39	1950	NONE

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