

Railway (FTN) Copper Trackside Cable - PE, PJF, CST



Description

Copper Trackside Cable, is heavily used in the rail & transport industry and is suitable for installation in trackside concrete cable, buried duct or directly in the earth. The cable produces no corrosive gases when burnt.

Key Features



Temperature Limits

Temperature Range: -25°C to +85°C

Core Colours

2 twisted pair, Colours as per tables below

Standards

- BS6360, Insulation to BS 6234, Network Rail Specification NR/PS/TEL/00015

Construction

- **Conductor:** Solid Plain Annealed Copper Conductors
- **Insulation:** Polyethylene (PE) Type 03
- **Water Blocking:** Petroleum Jelly filled
- **Inner Sheath:** Polyethylene with Moisture Barrier of longitudinal AL/P (Aluminium / Polymer Tape)
- **Separator:** Impregnated Paper and/or NonHygroscopic Tape
- **Armour:** Corrugated Steel Armour
- **Sheath:** Polyethylene (PE)
- **Sheath Colour:** Black

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

Railway (FTN) Copper Trackside Cable - PE, PJF, CST - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	No Of Pairs	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Rail Code	Gland Size
13790	0.63	50 Pair	50	1/0.9	35.7	1550	1/168065	35.7
13788	0.63	30 Pair	30	1/0.9	30.9	943	1/168064	30.9
13786	0.63	20 Pair	20	1/0.9	27.6	820	1/168063	27.6
13784	0.63	10 Pair	10	1/0.9	23.8	520	1/168062	23.8
13781	0.63	2 Pair	2	1/0.9	19	250	1/168061	20



RAILWAY FTN TRACKSIDE CABLE PAIR CORE COLOURS

LAID UP IN X5 PAIRS

SUB UNIT CODE A			SUB UNIT CODE B		
PAIR	WIRE A	WIRE B	PAIR	WIRE A	WIRE B
1	WHITE	BLUE	1	RED	BLUE
2	WHITE	ORANGE	2	RED	ORANGE
3	WHITE	GREEN	3	RED	GREEN
4	WHITE	BROWN	4	RED	BROWN
5	WHITE	GREY	5	RED	GREY

PAIR LAPPED WITH COLOURED TAPE		
UNIT NUMBER	UNIT CODE	BINDING
1	A	BLUE
2	B	BLUE
3	C	ORANGE
4	D	ORANGE

LAID UP IN X10 PAIRS

SUB UNIT CODE A						PAIR LAPPED WITH COLOURED TAPE			
PAIR	WIRE A	WIRE B	PAIR	WIRE A	WIRE B	UNIT	BINDING	UNIT	BINDING
1	WHITE	BLUE	1	RED	BLUE	1	BLUE	6	WHITE
2	WHITE	ORANGE	2	RED	ORANGE	2	ORANGE	7	RED
3	WHITE	GREEN	3	RED	GREEN	3	GREEN	8	BLACK
4	WHITE	BROWN	4	RED	BROWN	4	BROWN	9	YELLOW
5	WHITE	GREY	5	RED	GREY	5	GREY	10	VIOLET



RAILWAY FTN TRACKSIDE CABLE- ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA	NUMBER OF PAIRS	MUTUAL CAPACITANCE (nF/km)		Conductor resistance @20°C (Ω)	
		Max Average	99%	Max Average	99%
mm ²					
0.63	2	70.00	79.00	58.00	60
0.90	2	79.00	85.00	28.00	30
0.63	5	70.00	79.00	58.00	60
0.90	5	79.00	85.00	28.00	30
0.63	10	70.00	79.00	58.00	60
0.90	10	79.00	85.00	28.00	30
0.63	20	70.00	79.00	58.00	60
0.90	20	79.00	85.00	28.00	30
0.63	30	67.00	75.00	58.00	60
0.90	30	75.00	81.00	28.00	30
0.63	50	67.00	75.00	58.00	60
0.90	50	75.00	81.00	28.00	30
0.63	75	67.00	75.00	58.00	60
0.90	100	75.00	81.00	28.00	30
0.63	100	67.00	75.00	58.00	60

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