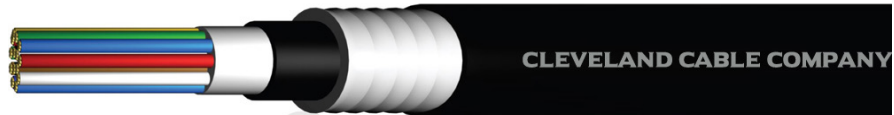


RAILWAY FIXED TELEPHONE NETWORK (FTN) TRACKSIDE CABLE



APPLICATION

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.

CONSTRUCTION

Conductor: Solid Plain Annealed Copper

Insulation: PE (Polyethylene) Type 03

Water Blocking Compound: Petroleum jelly

Separator: Impregnated Paper and/or Non-Hygroscopic Tape

Inner Sheath: Polyethylene with Moisture Barrier of longitudinal AL/P (Aluminium / Polymer Tape)

Armouring: Corrugated Steel Armour

Sheath: Polyethylene

Sheath Colour: ■ Black

CABLE STANDARDS

BS6360

Insulation to BS 6234

NR/PS/TEL/00015 (formerly RT/E/PS/00015)

CHARACTERISTICS

Temperature Rating: Fixed: -25°C to +85°C

Conductors: Twisted pairs in 5/10 pair units

Core Identification: 2 twisted pair, Colours as per tables below

Bending radius: Refer to Individual Manufacturer Datasheet

Should not be installed at temperatures below 0°C

RAILWAY FIXED TELEPHONE NETWORK (FTN) TRACKSIDE CABLE- DIMENSIONS

CCC CODE	NR CODE	CONDUCTOR SIZE (MM ²)	NO OF PAIRS	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)
	6/168011	0.63	2	222	18
	6/168012	0.63	5	296	19.5
	6/168013	0.63	10	383	20.3
	6/168014	0.63	20	504	23.8
	6/168015	0.63	30	606	26.1
	6/168016	0.63	50	903	29.9
	6/168017	0.63	75	1202	33.9
	6/168018	0.63	100	1463	36.7
13781	6/168061	0.90	2	250	19
	6/168062	0.90	5	370	21.3
13784	6/168063	0.90	10	508	23.8
13786	6/168064	0.90	20	782	27.6
13788	6/168065	0.90	30	1000	30.9
13790	6/168066	0.90	50	1402	35.7
	6/168067	0.90	75	2055	41.5
	6/168068	0.90	100	2550	44.8

RAILWAY FTN TRACKSIDE CABLE PAIR CORE COLOURS

LAI D 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

RAILWAY FTN TRACKSIDE CABLE PAIR CORE COLOURS

LAI D UP IN X10 PAIRS

SUB UNIT CODE A					
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	BINDING	UNIT	BINDING
1	BLUE	6	WHITE
2	ORANGE	7	RED
3	GREEN	8	BLACK
4	BROWN	9	YELLOW
5	GREY	10	VIOLET

RAILWAY FTN TRACKSIDE CABLE- ELECTRICAL CHARACTERISTICS

NUMBER OF PAIRS	CABLE SIZE (MM ²)	MUTUAL CAPACITANCE (nF/km)		CONDUCTOR RESISTANCE@200C (Ω)	
		MAX AVERAGE	99%	MAX AVERAGE	99%
2	0.63	70	79	58	60
2	0.90	79	85	28	30
5	0.63	70	79	58	60
5	0.90	79	85	28	30
10	0.63	70	79	58	60
10	0.90	79	85	28	30
20	0.63	70	79	58	60
20	0.90	79	85	28	30
30	0.63	67	75	58	60
30	0.90	75	81	28	30
50	0.63	67	75	58	60
50	0.90	75	81	28	30
75	0.63	67	75	58	60
100	0.90	75	81	28	30
100	0.63	67	75	58	60

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.