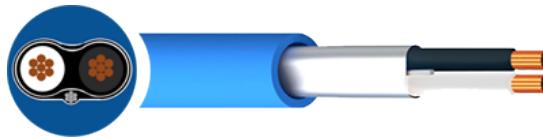


BS EN50288-7 - RE-2X(st)Y PiMF Comms & Control Cable LSZH CAT



Description

EN 50288-7 cables are available in a number of variants according to their specific applications, with configurations including collectively screened multi-core or multi-pair, collectively and individually screened pairs in metal foil (PiMF). They are also available as collectively screened – collective aluminium mylar tape (CAT) or individually and collectively screened (iCAT).

BS EN 50288-7:2005 Multi-element metallic cables which are used in analogue and digital communication and control systems. The cables have a mechanically robust construction and electrical transmission handling properties. These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants and are not to be used for power supply.

The Cable is designed for internal installation in tray, basket and ladder, and in conduits and ducts. Externally the cable must be protected if buried

Key Features



Voltage Rating
300/300 Volts



Minimum Bending Radius
Fixed: 6 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24



Temperature Limits
Fixed: -40°C to +80°C

Core Colours

Pairs - **(Numbered)**

Triple -

Sheath - or

Standards

- BS EN 50288-1
- BS EN 50288-7
- BS EN/IEC 60332-1-2
- IEC/EN 60754-1/2
- BS EN/IEC 60228
- BS EN/IEC 60332-3-24
- BS EN/IEC 61034

Construction

- **Conductor:** Under 1mm² Class 5 flexible copper conductor
1mm² & above Class 2 stranded copper conductor
- **Insulation:** Cross-Linked Polyethylene (XLPE) Laid up to form pairs
- **Overall Tape Screen:** Aluminium/Polyester Tape (AL/PET) with 0.5mm drain wire
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Blue or 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

BS EN50288-7 - RE-2X(st)Y PiMF Comms & Control Cable LSZH CAT - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	No Of Pairs	Overall Diameter(mm)	Weight(Kg/Km)
RE2X9200	0.5	2	1	4.6	60
RE2X9224	0.5	3	1 Triple	4.8	69
RE2X9201	0.5	4	2	6.7	75
RE2X9202	0.5	10	5	8.6	190
RE2X9203	0.5	20	10	11.9	305
RE2X9204	0.5	30	15	13.8	410
RE2X9205	0.5	40	20	15.5	518
RE2X9206	0.75	2	1	4.6	69
RE2X9225	0.75	3	1 Triple	5.4	83
RE2X9207	0.75	4	2	7.6	99
RE2X9208	0.75	10	5	9.8	242
RE2X9209	0.75	20	10	13.7	380
RE2X9210	0.75	30	15	15.9	445
RE2X9211	0.75	40	20	17.9	684
RE2X9212	1	2	2	5	130
RE2X9226	1	3	1 Triple	5.3	142
RE2X9213	1	4	2	7.5	155
RE2X9214	1	10	5	9.5	292
RE2X9216	1	15	15	15.5	790
RE2X9215	1	20	10	13.4	405
RE2X9217	1	40	20	17.4	865
RE2X9218	1.5	2	1	6.4	90
RE2X9227	1.5	3	1 Triple	6.7	115
RE2X9219	1.5	4	2	9.7	150
RE2X9220	1.5	10	5	12.6	350
RE2X9221	1.5	20	10	17.9	575
RE2X9222	1.5	30	15	20.8	820
RE2X9223	1.5	40	20	23.5	1080



BS EN 50288-7 COMMS & CONTROL CABLE- ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	CONDUCTOR CLASS	MUTUAL CAPACITANCE pF/m			MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C	MAXIMUM L/R RATIO
		Cables with Collective Screen Only	1 Pair, 2 Pairs, 1 Triple Collectively Screened	Cables with Individually Screened Pairs		
(MM2)					Ω/Km	μH/ohms
0.5	5	75	115	115	39	25
0.75	5	75	115	115	26	25
1	2	75	115	115	18.1	25
2	2	85	120	120	12.1	40
3	2	85	120	120	7.41	65

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.

