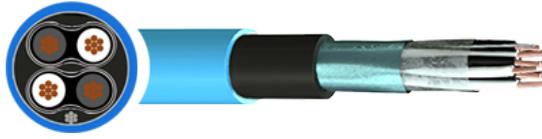


## BS EN50288-7 - RE-2X(st)Y PiMF Comms & Control Cable LSZH ICAT



## 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 -  White  Black (Numbered)

Triple -  White  Black  Red

Sheath -  Blue or  Black

## Standards

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

## Construction

- **Conductor:** Under 1mm<sup>2</sup> Class 5 flexible copper conductor  
1mm<sup>2</sup> & above Class 2 stranded copper conductor
- **Insulation:** Cross-Linked Polyethylene (XLPE) Laid up to form pairs
- **Screen:** Aluminium/mylar foil tape individually screened pairs complete with 0.5mm drain wire
- **Screen:** Individual & Collective Aluminium/mylar tape with 0.5mm drain wire
- **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 ICAT - Dimensions**

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	No Of Pairs	Overall Diameter(mm)	Weight(Kg/Km)
RE2X9275	0.5	3	1 Triple	7.8	111
RE2X9251	0.5	4	2	7.3	161
RE2X9252	0.5	10	5	9.4	253
RE2X9253	0.5	20	10	13.1	408
RE2X9254	0.5	30	15	15.1	531
RE2X9255	0.5	40	20	17.1	753
RE2X9256	0.5	60	30	20.1	1153
RE2X9276	0.75	3	1 Triple	8.8	146
RE2X9257	0.75	4	2	8.3	184
RE2X9258	0.75	10	5	10.7	299
RE2X9259	0.75	20	10	15	480
RE2X9260	0.75	30	15	17.4	728
RE2X9261	0.75	40	20	19.7	920
RE2X9262	0.75	60	30	23.2	1445
RE2X9277	1	3	1 Triple	8.7	132
RE2X9263	1	4	2	8.1	195
RE2X9264	1	10	5	10.4	262
RE2X9265	1	20	10	14.7	425
RE2X9266	1	30	15	17	562
RE2X9267	1	40	20	19.1	1162
RE2X9268	1	60	30	22.6	1624
RE2X9278	1.5	3	1 Triple	11.2	195
RE2X9269	1.5	4	2	10.5	242
RE2X9270	1.5	10	5	13.7	408
RE2X9271	1.5	20	10	19.5	714
RE2X9272	1.5	30	15	25.6	957
RE2X9273	1.5	40	20	25.6	1337
RE2X9274	1.5	60	30	30.3	1860

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

CONDUCTOR SIZE (MM <sup>2</sup> )	CONDUCTOR CLASS	MUTUAL CAPACITANCE pF/m			MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C Ω/Km	MAXIMUM L/R RATIO μH/ohms
		Cables with Collective Screen Only	1 Pair, 2 Pairs, 1 Triple Collectively Screened	Cables with Individually Screened Pairs		
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
<b>3</b>	<b>2</b>	<b>85</b>	120	120	7.41	65

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