

EN 50288-7 - RE-2X(st)Y SWA 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 multicore 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 Volts



Minimum Bending Radius 10 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 Flexing: 0°C to +50°C

Core Colours

Triples: Black



White

Standards

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

Construction

- Conductor: 0.5mm² 0.75mm²: Class 5 flexible Copper 1mm² and above: Class 2 stranded Copper
- Insulation: Cross Linked polyethylene (XLPE)
- Screen: Individual & Collective Aluminium/mylar tape with 0.5mm drain wire
- Bedding: Low Smoke Zero Halogen (LSZH)
- Armour: Steel Wire Armour (SWA)
- Outer Sheath: UV resistant Low Smoke Zero Halogen compound (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





Specification Data Sheet | Page 1 of 2

















EN 50288-7 - RE-2X(st)Y SWA PiMF Comms & Control Cable LSZH ICAT - Dimensions

Reference	Conductor Size (mm2)	No Of Pairs	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
50288PIMFSWAH12X/5	0.5	1	2	10.0	240
50288PIMFSWAH3X/5	0.5	1 Triple	3	10.6	295
50288PIMFSWAH2X2X/5	0.5	2	4	14.5	352
50288PIMFSWAH2X5X/5	0.5	5	10	13.3	390
50288PIMFSWAH2X10X/5	0.5	10	20	26.8	775
50288PIMFSWAH2X15X/5	0.5	15	30	29.8	1286
50288PIMFSWAH1X2X/75	0.75	1	2	10.2	268
50288PIMFSWAH3X/75	0.75	1 Triple	3	10.9	320
50288PIMFSWAH2X2X/75	0.75	2	4	16.0	402
50288PIMFSWAH2X5X/75	0.75	5	10	19.1	440
50288PIMFSWAH2X10X/7 5	0.75	10	20	32.3	820
50288PIMFSWAH2X15X/7 5	0.75	15	30	32.5	1341
50288PIMFSWAH1X2X1	1	1	2	10.6	290
50288PIMFSWAH3X1	1	1 Triple	3	11.5	345
50288PIMFSWAH2X2X1	1	2	4	17.5	495
50288PIMFSWAH2X5X1	1	5	10	21.5	590
50288PIMFSWAH2X10X1	1	10	20	19.4	960
50288PIMFSWAH2X15X1	1	15	30	36.0	1467
50288PIMFSWAH1X2X1/5	1.5	1	2	11.0	312
50288PIMFSWAH3X1/5	1.5	1 Triple	3	12.2	395
50288PIMFSWAH2X2X1/5	1.5	2	4	19.2	560
50288PIMFSWAH2X5X1/5	1.5	5	10	24.5	740
50288PIMFSWAH2X10X1/ 5	1.5	10	20	25.0	1340
50288PIMFSWAH2X15X1/ 5	1.5	15	30	39.4	1772

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.















CENELEC



