

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

Pairs: White Black with numbers

Triples: Black White Red

Standards

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

Construction

- **Conductor:** 0.5mm² - 0.75mm²: Class 5 flexible Copper
1mm² and above: Class 2 stranded Copper
- **Insulation:** Polyethylene (PE)
- **Insulation Screen:** Individual and Collective Aluminium/Polyester Tape Screen (AL/PET)
- **Screen:** Individual & Collective Aluminium/mylar tape with 0.5mm drain wire
- **Bedding:** Polyvinyl Chloride (PVC)
- **Armour:** Steel Wire Armour (SWA)
- **Outer Sheath:** UV resistant Polyvinyl Chloride compound (PVC)
- **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



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CENELEC



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

Reference	Conductor Size (mm ²)	No Of Cores	No Of Pairs	Overall Diameter(mm)	Weight(Kg/Km)
50288PIMFSWAY2X/5	0.5	2	1	10.0	235
50288PIMFSWAY3X/5	0.5	3	1 Triple	10.4	290
50288PIMFSWAY2X2X/5	0.5	4	2	13.6	350
50288PIMFSWAY5X2X/5	0.5	10	5	14.5	390
50288PIMFSWAY5X2X/5	0.5	20	10	27.0	785
50288PIMFSWAY5X2X/5	0.5	30	15	30.0	1290
50288PIMFSWAY2X/75	0.75	2	1	10.3	270
50288PIMFSWAY3X/75	0.75	3	1 Triple	11.0	324
50288PIMFSWAY2X2X/75	0.75	4	2	15.9	404
50288PIMFSWAY5X2X/75	0.75	10	5	19.4	446
50288PIMFSWAY10X2X/75	0.75	20	10	32.3	800
50288PIMFSWAY15X2X/75	0.75	30	15	34.5	1340
50288PIMFSWAY2X1	1	2	1	11.0	295
50288PIMFSWAY3X1	1	3	1 Triple	12.0	348
50288PIMFSWAY2X2X1	1	4	2	18.0	450
50288PIMFSWAY5X2X1	1	10	5	19.5	495
50288PIMFSWAY10X2X1	1	20	10	22.5	965
50288PIMFSWAY15X2X1	1	30	15	36.0	1465
50288PIMFSWAY2X1/5	1.5	2	1	11.0	335
50288PIMFSWAY3X1/5	1.5	3	1 Triple	12.1	390
50288PIMFSWAY2X2X1/5	1.5	4	2	19.0	560
50288PIMFSWAY5X2X1/5	1.5	10	5	24.5	740
50288PIMFSWAY10X2X1/5	1.5	20	10	35.0	1340
50288PIMFSWAY15X2X1/5	1.5	30	15	39.5	1775

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