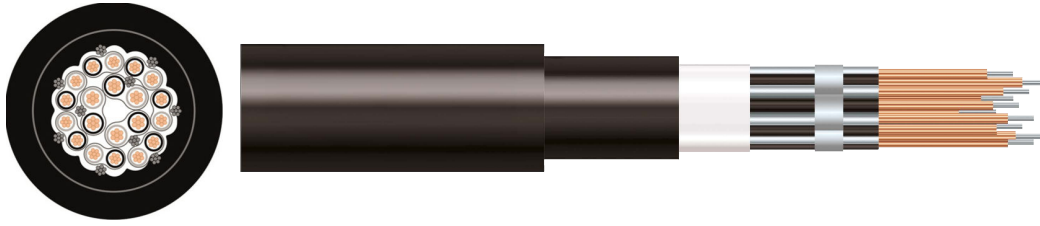


## RE-2Y(ST)Y-PIMF INSTRUMENTATION CABLE



Tailored for analogue and digital communication and control systems, our EN50288-7 Instrumentation cables feature a robust construction and superior electrical transmission properties, ensuring flawless connectivity and performance. Engineered to comply with BS EN 50288-7 standards, they cater to diverse applications, from process plants to petrochemical industries. Withstanding electromagnetic interference, our cables assure uninterrupted signal transmission in instrumentation, control, and communication systems. Available in various configurations to meet specific needs, including collectively and/or individually screened pairs or triples, PVC or LSZH sheaths, a range of armouring options, and fire-resistant variants, our cables offer unparalleled versatility and adaptability for any environment. Elevate your systems with our reliable solutions.

<b>CONDUCTOR</b>	Plain Copper
<b>STRANDING</b>	Class 2
<b>INSULATION</b>	PE
<b>INDIVIDUAL SCREEN</b>	Individual Aluminium Mylar
<b>COLLECTIVE SCREEN</b>	Collective Aluminium Mylar
<b>OUTERSHEATH</b>	PVC
<b>OUTERSHEATH COLOUR</b>	Black, Blue
<b>RATED VOLTAGE</b>	500V
<b>CORE IDENTIFICATION</b>	Pairs: black, white and numbered
<b>OPERATING TEMPERATURE</b>	70°C
<b>STANDARDS</b>	EN 50288-7, EN 60228

# SPECIFICATION DATA

## ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Area mm <sup>2</sup>	Mutal Capacitance pF/m	Minimum Insulation Resistance at 20°C Gohms/km	Maximum L/R Ratio µH/ohms
0.5	115	>10	25
0.75	115	<10	25
1	115	>10	25
1.5	120	>10	40
2.5	120	>10	65

## CONDUCTORS

Nominal Cross Sectional Area mm <sup>2</sup>	Maximum DC Resistance of Conductor at 20°C ohms/km Class 2	Maximum DC Resistance of Conductor at 20°C ohms/km Class 5
0.5	36.36	39.39
0.75	24.8	26.8
1	18.3	19.7
1.5	12.42	13.43
2.5	7.56	8.05

## DIMENSIONS

BATT Part No	No. of Pair/Triple	Nominal Cross Sectional Area mm <sup>2</sup>	Weight
86142	2 Pair	0.5	-
86144	2 Pair	1.3	-
86146	4 pair	1.3	-
86149	12 pair	0.5	-
86153	12 pair	1.3	-

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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