

RE-2X(ST)Y 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 LSZA 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.

CONDUCTOR	Plain Copper
STRANDING	Class 2
INSULATION	XLPE
COLLECTIVE SCREEN	Collective Aluminium Mylar
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, Blue
RATED VOLTAGE	500V
CORE IDENTIFICATION	Pair I.D.- White, Black and Numbered Triple I.D.- White, Black, Red
MINIMUM BENDING RADIUS	10 x Overall Diameter
OPERATING TEMPERATURE	90°C
STANDARDS	EN 50288-7, EN60228, IEC/EN 60332-1-2, IEC/EN 60332-3.

SPECIFICATION DATA

ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Area mm ²	Mutual Capacitance pF/m	Minimum Insulation Resistance at 20°C Gohms/km	Maximum L/R Ratio uH/ohms
0.5	75	>10	25
0.75	75	>10	25
1	75	>10	25
1.5	85	>10	40
2.5	85	>10	65

CONDUCTORS

Nominal Cross Sectional Area mm ²	Maximum DC Resistance of Conductor at 20°C Class 2	Maximum DC Resistance of Conductor at 20°C Class 5
0.5	36.36	39.39
0.75	24.8	26.8
1	18.3	19.7
1.3	12.42	13.43
2.5	7.56	8.05

DIMENSIONS

BATT Part No	No. of Pairs/Triples	Nominal cross sectional area of conductor	Approx overall diameter
86180	1 Pair	0.75	7.4
86676	1 Pair	1	7.8
86182	1 Pair	1.3	8.5
86718	1 Pair	1.5	8.8
86651	2 Pair	0.75	10.3
86183	2 Pair	1.3	11.8
86791	2 Pair	1.5	12.5
86793	4 Pair	1.5	14.1
86795	5 Pair	1.5	15.5
86797	8 Pair	1.5	18.2
86716	10 Pair	1.5	21.0
86798	12 Pair	1.5	22.1
85375	16 Pair	1.3	25.4
86717	20 Pair	1.5	28.1
36005	24 Pair	1.3	29.3

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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