

RE-2Y(ST)YSWAY 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.

CONDUCTOR	Plain Copper
STRANDING	Class 2
INSULATION	PE
COLLECTIVE SCREEN	Collective Aluminium Mylar
BEDDING	PVC
ARMOUR	Steel Wire Armour
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, Blue
RATED VOLTAGE	500V
CORE IDENTIFICATION	Pairs: black, white and numbered
OPERATING TEMPERATURE	80°C
STANDARDS	EN 50288-7, EN 50288-1, EN 60228, IEC 60332-1-2, IEC 60332-3-24

SPECIFICATION DATA

BATT Part No Blue	BATT Part No Black	No of pairs	Nominal cross sectional area of conductor (mm ²)	Approx overall diameter (mm)
86604	-	1pr	1	9.4
-	86829	2pr	0.75	12.2
-	85025	4pr	2.5	-
86607	-	6pr	1	-
-	86670	6pr	1.5	Black

CONDUCTORS

Nominal cross sectional area (mm ²)	Maximum DC resistance of conductor at 20°C
0.75	24.8
1	18.3
1.5	12.42
2.5	7.56

ELECTRICAL CHARACTERISTICS

Nominal cross sectional area (mm ²)	Mutual capacitance (pF/m) - 1pr / 2pr	Minimum insulation resistance at 20°C (Gohms/km)	Maximum L/R ratio (µH/ohms)
0.75	115	>10	25
1	115	>10	25
1.5	120	>10	40
2.5	120	>10	65

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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