Application

SY control cable is used as a control cable in areas requiring light mechanical protection and areas where there is risk to life from fire, smoke emissions and toxic fumes. The cables are designed to be used as a connecting cable for measuring, control and regulation equipment in assembly, production line and conveyor systems.

Performance

Voltage Rating: 300/500 Volts
Temperature limits:
Static: -20°C to +80°
Flexing: -5°C to +70°C
Minimum Bending Radius: As Per Manufacturers Datasheet
Should not be installed at temperatures below -5°C

Construction

Conductor: Plain Annealed Stranded Copper Conductors
Insulation: LSZH insulated
Bedding: PVC
Armouring: Galvanised Steel Wire Armour
Sheath: LSZH
Sheath Colour: Gray
Core Identification
2 Core: Black with White numbers
3 core and above: Black with White numbers plus G/Y
Also available with coloured cores as follows:
2 Core: Brown Blue
3 Core: Brown Blue Green / Yellow
4 Core: Brown Black Grey Green / Yellow
5 Core: Brown Blue Black Grey Green / Yellow

Specification

-Generally to BS EN 50525-3-11
-VDE 0250

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Dimensions						
CCC CODE	Nominal Cross Section Area	Stranding	No. Of Cores	Weight	Outside Diameter	Gland Size
-	mm^2	mm	-	kg/km	mm	mm
SY3X1/5LSF	1.5	30/0.25	3	143	8.60	20/16
SY4X1/5LSF	1.5	30/0.25	4	170	9.30	20/16
SY3X2/5LSF	2.5	50/0.25	3	190	9.90	20/16
SY4X2/5LSF	2.5	50/0.25	4	240	10.80	20/16
SY5X2/5LSF	2.5	50/0.25	5	247	11.50	20S
SY3X4LSF	4	56/0.3	3	323	12.20	20S
SY4X4LSF	4	56/0.30	4	354	13.40	20S
SY5X4LSF	4	56/0.30	5	392	15.00	20
SY3X6LSF	6	84/0.30	3	343	13.40	20S
SY4X6LSF	6	84/0.30	4	458	14.60	20
SY5X6LSF	6	847/0.30	5	572	16.70	20

Current Capacity & Conductor Resistance		
Nominal Cross Section Area	Current Carry Capacity at 300℃ in Air	Maximum Resistance Conductor At 200℃
mm^2	A	Ω/km
1.5	24	13.3
2.5	32	7.98
4	42	4.95
6	54	3.3

Voltage Drop			
Nominal Cross Section Area	Two Core Cable D.C.	Single Phase Two Core Cable A.C.	Three Phase 3 Or 4 Core Cable A.C.
mm^2	mV/A/m	mV/A/m	mV/A/m
1.5	29	29	25
2.5	18	18	15
4	11	11	9.5
6	7.3	7.3	6.4

The above is in accordance with 18th edition of iet wiring regulations

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