

# SY CONTROL FLEXIBLE CABLE (YSLYSY)



VDE 0207-363-3, VDE 0285-525-2-51, VDE 0285-525-1  
VDE 0285-525-2-11, VDE 0482-332-1-2, VDE 819-102



## APPLICATION

Designed to offer a combination of mechanical protection and flexibility. Applications include control, signalling, measurement, motor and robotics. Control cables are manufactured to British, European and international standards.

## CONSTRUCTION

Conductor	Class 5 flexible copper conductor
Insulation	PVC (Polyvinyl Chloride)
Bedding	PVC (Polyvinyl Chloride)
Braiding	GSWB (Galvanized Steel Wire Braid) minimum coverage of braiding shall be 50%
Sheath	PVC (Polyvinyl Chloride) Transparent

## CHARACTERISTICS

Voltage Rating (Uo/U)	300/500V
Operating Temperature	Fixed: -15°C to +70°C
Minimum Bending Radius	Flexed: 10 x overall diameter
Core Identification	Black with White numbers 3 cores and above to include Green/Yellow

\*This product is available with Colour Coded Cores



\* For LSZH [Click here](#)





# Premier

CABLES LTD

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm	Nominal Weight kg/km	CXT Glands
02002X000.75	2	0.75	7.3	72	16/20
02002X001	2	1	7.6	80	16/20
02002X001.5	2	1.5	8.1	100	16/20
02002X002.5	2	2.5	12.0	177	16/20

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02003X000.75	3	0.75	7.6	85	16/20
02003X001	3	1	8.0	100	16/20
02003X001.5	3	1.5	8.6	120	20S
02003X002.5	3	2.5	9.2	140	20S
02003X004	3	4	11.7	240	20
02003X006	3	6	13.8	330	20
02003X010	3	10	16.4	520	25
02003X016	3	16	20.1	780	25
02003X025	3	25	24.0	1160	32
02003X035	3	35	29.0	1750	32

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02004X000.75	4	0.75	8.1	1400	20
02004X001	4	1	8.7	120	20
02004X001.5	4	1.5	9.3	140	20
02004X002.5	4	2.5	10.8	210	32
02004X004	4	4	12.7	300	32
02004X006	4	6	14.8	410	32
02004X010	4	10	18.0	660	40
02004X016	4	16	21.6	980	40
02004X025	4	25	27.0	1460	40
02004X035	4	35	33.0	2054	50
02004X050	4	50	37.0	2968	63
02004X070	4	70	42.0	4050	63
02004X095	4	95	47	5100	63



Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02005X000.75	5	0.75	8.5	120	20
02005X001	5	1	9.1	140	20
02005X001.5	5	2	10.1	175	25
02005X002.5	5	3	12.1	250	32
02005X004	5	4	14.2	360	32
02005X006	5	6	16.5	530	32
02005X010	5	10	20.6	820	40
02005X016	5	16	23.4	1240	40
02005X025	5	25	29.0	1850	50
02005X035	5	35	32.9	2500	63

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02007X000.75	7	0.75	9.4	135	20S
02007X001	7	1	10	160	20S
02007X001.5	7	1.5	11	200	20
02007X002.5	7	2.5	12.8	280	20

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02008X000.75	8	0.75	10.5	181	20S
02008X001	8	1	10.8	203	20S
02008X001.5	8	1.5	12.4	302	20

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02012X000.75	12	0.75	11.6	210	20
02012X001	12	1	12.6	250	20
02012X001.5	12	1.5	13.6	310	25
02012X002.5	12	2.5	16.1	470	25



Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02018X000.75	18	0.75	14	280	25
02018X001	18	1	15	350	25
02018X001.5	18	1.5	17	450	25
02018X002.5	18	2.5	19.5	670	32

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	CXT Glands metric
02025X000.75	25	0.75	15.6	380	25
02025X001	25	1	16.5	460	25
02025X001.5	25	1.5	18.8	620	32
02025X002.5	25	2.5	21.9	880	32

Premier Part No	No of Cores	Nominal Cross Section mm <sup>2</sup>	Nominal Diameter Overall mm <sup>2</sup>	Nominal Weight kg/km	Nylon Glands metric
02034X000.75	34	0.75	19.0	535	25
02034X001	34	1	20.0	610	25
02034X001.5	34	1.5	21.6	835	32
02034X002.5	34	2.5	24.3	1126	32

## Electrical Characteristics

Nominal Cross Sectional Area mm <sup>2</sup>	Current Carrying Capacities 30°C Continous Loading A	Maximum Resistance of Conductor 20°C ohms/km
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.78
35	135	0.554
50	168	0.386
70	207	0.272
95	223	0.206

The information contained within this data sheet is for guidance only.  
 Cable and gland sizes are nominal and may vary according to different manufacturer's tolerances.  
 Every possible effort is made to ensure that the Information contained in this data sheet is correct.  
 However, we reserve the right to change the information or specification at any time in the light of technical developments or revisions.  
 References to or extracts from British Standards, current IEE regulations or other regulatory bodies should be verified with these organisations.