

Technical Document  
SY Multicore Control Cable  
Number Coded GSWB PVC Clear

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**Description:** SY Multicore Signal Control Cable,  
Number Coded, Galvanised Steel Wire Braid, Clear  
PVC Sheath



**Product Construction**

Conductor Material	:	Bare Copper
Conductor Stranding	:	Class 5 to IEC / BS EN 60228
Insulation Material	:	Polyvinyl Chloride (PVC)
Bedding Material	:	Polyvinyl Chloride (PVC)
Bedding Colour	:	Grey
Armour	:	Galvanised Steel Wire Braid (GSWB)
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Clear/Transparent
Core Colours	2 Core :	Black Cores with White Numbers
	3 Cores & Above :	Black Cores with White Numbers + Green Yellow



**Mechanical Characteristics**

Overall Diameter	:	See Table A
Temperature Range	Fixed :	-20°C to +70°C
	Flexing :	-5°C to +70°C
Bend Radius	Fixed :	7.5 x Overall Diameter
	Flexing :	10 x Overall Diameter
Weight	:	See Table A

**Electrical Characteristics**

Inner Conductor DC Resistance	:	to BS EN 60228
Voltage Rating	:	300/500V

**Certifications & Standards**

Flame Retardancy	:	BS EN 60332-1-2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016

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Table A

Part No.	Cores x mm <sup>2</sup>	Weight kg/km	OD mm
18100502E-TRANS	2 x 0.5	78	7.6
18100503E-TRANS	3 x 0.5	103	8.1
18100504E-TRANS	4 x 0.5	115	9.2
18100505E-TRANS	5 x 0.5	129	9.5
18100507E-TRANS	7 x 0.5	165	10.4
18100512E-TRANS	12 x 0.5	250	13.2
18100518E-TRANS	18 x 0.5	343	16.3
18100525E-TRANS	25 x 0.5	545	19.4
18100702E-TRANS	2 x 0.75	95	8.1
18100703E-TRANS	3 x 0.75	107	8.4
18100704E-TRANS	4 x 0.75	138	9.3
18100705E-TRANS	5 x 0.75	175	9.7
18100707E-TRANS	7 x 0.75	207	10.5
18100712E-TRANS	12 x 0.75	335	13.8
18100718E-TRANS	18 x 0.75	428	17.6
18100725E-TRANS	25 x 0.75	645	20.7
18101002E-TRANS	2 x 1.0	125	8.3
18101003E-TRANS	3 x 1.0	141	8.6
18101004E-TRANS	4 x 1.0	153	9.5
18101005E-TRANS	5 x 1.0	193	10.1
18101007E-TRANS	7 x 1.0	241	11.3
18101012E-TRANS	12 x 1.0	323	14.0
18101018E-TRANS	18 x 1.0	480	18.1
18101025E-TRANS	25 x 1.0	725	21.7
18101502E-TRANS	2 x 1.5	155	8.9
18101503E-TRANS	3 x 1.5	163	9.7
18101504E-TRANS	4 x 1.5	197	10.3
18101505E-TRANS	5 x 1.5	235	11.3
18101507E-TRANS	7 x 1.5	305	12.3
18101512E-TRANS	12 x 1.5	480	15.7
18101518E-TRANS	18 x 1.5	671	19.7
18101525E-TRANS	25 x 1.5	919	22.5

Part No.	Cores x mm <sup>2</sup>	Weight kg/km	OD mm
18102502E-TRANS	2 x 2.5	195	10.5
18102503E-TRANS	3 x 2.5	238	11.1
18102504E-TRANS	4 x 2.5	298	12.5
18102505E-TRANS	5 x 2.5	366	13.5
18102507E-TRANS	7 x 2.5	430	14.8
18102512E-TRANS	12 x 2.5	721	20.7
18102518E-TRANS	18 x 2.5	998	24.3
18104003E-TRANS	3 x 4.0	350	13.3
18104004E-TRANS	4 x 4.0	455	14.7
18104005E-TRANS	5 x 4.0	550	16.0
18106003E-TRANS	3 x 6.0	455	14.8
18106004E-TRANS	4 x 6.0	568	16.9
18106005E-TRANS	5 x 6.0	695	18.1
18110003E-TRANS	3 x 10	745	19.8
18110004E-TRANS	4 x 10	909	21.0
18110005E-TRANS	5 x 10	1070	24.3
18116003E-TRANS	3 x 16	1101	22.8
18116004E-TRANS	4 x 16	1403	27.7
18116005E-TRANS	5 x 16	1776	30.9
18125004E-TRANS	4 x 25	2055	33.6
18135004E-TRANS	4 x 35	2560	36.5
18150004E-TRANS	4 x 50	3605	39.6
18170000E-TRANS	4 x 70	4870	45.2
18195000E-TRANS	4 x 95	6390	49.8

Other sizes and core counts are available on short lead-times

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