

Steel wire braided connection and control cables with colour-coded cores, optimized design

Having all of the benefits of the standard Ölflex® CLASSIC range the SY cables have the additional protection of a galvanised steel wire braid and transparent PVC outer sheath. It retains the flexibility and ease of installation and offers a high degree of mechanical protection often extending the service life of an installation.

Ideal for many industrial applications including the machine tool industry where the extra protection of SY will prove invaluable.

SPECIFICATION

Plain electrolytic fine copper wire strands with PVC-based conductor insulation. Cores laid up in colour to the Ölflex® colour code or black with white consecutive numbering. Grey inner sheath of special PVC compound, galvanised steel wire braid and transparent PVC outer sheath.

TECHNICAL DATA

Minimum bending radius for flexing:	20 x cable diameter
Temperature range:	Static: -30°C to + 70°C
Working voltage:	300/500 V "d1.5mm ² 450/750V "e2.5mm ²
Conductor stranding:	fine wire to VDE 0295 Class 5, BS6360, Class 5
Colour code:	up to 5 cores: VDE 0293, BS6500 from 6 cores: ÖLFLEX® Colour Code
In accordance with VDE Regulations:	Conductors to VDE 0245/0281 Sheath to VDE 0245/0281.



No. of cores and mm ² per conductor	Part Number	Approx. outside diameter in mm	No. of cores and mm ² per conductor	Part Number	Approx. outside diameter in mm
2 X 0.5	0016001	7.8	3 G 1.5	0016065	9.7
3 G 0.5	0016002	8.1	4 G 1.5	0016066	10.2
4 G 0.5	0016003	8.5	5 G 1.5	0016067	11.1
5 G 0.5	0016004	9.2	6 G 1.5	0016068	11.9
6 G 0.5	0016005	9.7	7 G 1.5	0016069	11.9
7 G 0.5	0016006	9.7	8 G 1.5	0016070	14.0

8 G 0.5	0016007	11.0	12 G 1.5	0016072	15.4
10 G 0.5	0016008	11.6	14 G 1.5	0016073	15.9
12 G 0.5	0016009	11.9	18 G 1.5	0016075	17.6
14 G 0.5	0016010	12.5	25 G 1.5	0016077	20.3
16 G 0.5	0016011	13.2	32 G 1.5	0016078	22.1
21 G 0.5	0016012	14.7			
24 G 0.5	0016013	15.6	2 X 2.5	0016087	12.1
27 G 0.5	0016014	16.1	3 G 2.5	0016088	12.6
40 G 0.5	0016017	18.8	4 G 2.5	0016089	13.9
			5 G 2.5	0016090	15.2
2 X 0.75	0016022	8.2	7 G 2.5	0016092	16.3
3 G 0.75	0016023	8.5			
4 G 0.75	0016024	9.2	2 X 4	0016101	13.6
5 G 0.75	0016025	9.7	4 G 4	0016102	15.7
6 G 0.75	0016026	10.3	5 G 4	0016103	17.1
7 G 0.75	0016027	10.3	7 G 4	0016104	18.6
8 G 0.75	0016028	11.8			
10 G 0.75	0016030	12.6	3 G 6	0016106	15.8
12 G 0.75	0016031	12.9	4 G 6	0016107	17.2
15 G 0.75	0016032	14.1	5 G 6	0016108	18.8
18 G 0.75	0016033	14.9	7 G 6	0016109	20.7
21 G 0.75	0016034	16.2			
25 G 0.75	0016035	17.0	4 G 10	0016110	21.0
32 G 0.75	0016036	18.5	5 G 10	0016111	23.1
61 G 0.75	0016039	23.9	7 G 10	0016112	25.3
2 X 1.0	0016042	8.5	4 G 16	0016113	23.8
3 G 1.0	0016043	8.8	5 G 16	0016114	26.6
4 G 1.0	0016044	9.5			
5 G 1.0	0016045	10.1	4 G 25	0016116	29.2
6 G 1.0	0016046	11.0	5 G 25	0016117	32.3
7 G 1.0	0016047	11.0			
8 G 1.0	0016048	12.5	4 G 35	0016118	32.5
10 G 1.0	0016050	13.4	5 G 35	0016119	36.1
12 G 1.0	0016051	13.9			
18 G 1.0	0016054	15.9	4 G 50	0016120	38.5
20 G 1.0	0016055	16.8			
25 G 1.0	0016057	18.1	4 G 70	0016121	43.4
2 X 1.5	0016064	9.3	4 G 95	0016122	49.7

G=With Protective Conductor **X**=Without Protective Conductor