

## COLORFLEX CY

### Cable construction

**Conductor:** Bare copper accordino to VDE 0295 cl. 5

Section (mm <sup>2</sup> )	Stranding
0.14	18 x 0.10
0.25	14 x 0.15
0.34	7 x 0.25
0.50	16 x 0.20
0.75	24 x 0.20
1.0	32 x 0.20
1.5	30 x 0.25

**Insulation:** Pvc compound type YI2 according to VDE 0207-4

Section (mm <sup>2</sup> )	Diameter (mm)
0.14	1.0
0.25	1.3
0.34	1.5
0.50	1.75
0.75	2.0
1.0	2.1
1.5	2.4

- Colour code:** conductors according to TAB DIN 47100
- Assembly:** Conductors twisted in layer (if required with filler for round construction) + polyester tape
- Drain wire:** Tinned copper according to VDE 0295
- Shield:** Tinned copper braid, coverage 85 ± 5%
- Sheath:** Pvc compound type TM2 according to VDE 0207-5  
 Colour code: Grey Ral 7000
- Marking :** Not required

### General properties

- Bending radius:** 15 x D
- Temperature range:** -5 +80° C (Static applications)
- Working Voltage:** 300 V

**Test Voltage:**

Section (mm <sup>2</sup> )	Test Voltage (V)
0.14 – 0.34	1200
0.50 – 1.50	2000

**Insulation resistance:** > 20 MΩ . Km min at 20°C

**Conductor resistance** Max at 20°C

Section (mm <sup>2</sup> )	Conductor resistance (Ω/Km)
0.14	138
0.25	79
0.34	57
0.50	39
0.75	26
1.0	19.5
1.5	13.3

### COLORFLEX CY – section 0.14 mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
525800	12313547	C1014022005	2 x 0.14	3.7	9.9
525820	12313718	C1014032005	3 x 0.14	3.9	11.1
525840	12313749	C1014042005	4 x 0.14	4.1	13.6
525860	12313794	C1014052005	5 x 0.14	4.4	14.9
525880	12313819	C1014062005	6 x 0.14	5.0	17.4
525900	12313958	C1014072005	7 x 0.14	5.0	18.7
525920	12313965	C1014082005	8 x 0.14	5.4	21.2
525940	12313972	C1014102005	10 x 0.14	6.2	30.4
525960	12314021	C1014122005	12 x 0.14	6.4	33.4
525962	12314038	C1014142005	14 x 0.14	6.6	38.4
525980	12314045	C1014162005	16 x 0.14	6.8	41.0
525950	12313989	C1014182005	18 x 0.14	7.6	46.3
526020	12314083	C1014212005	21 x 0.14	7.7	50.2
525951	12313996	C1014252005	25 x 0.14	8.6	58.1
526060	12314090	C1014272005	27 x 0.14	8.6	60.6
526066	12314108	C1014302005	30 x 0.14	9.1	68.6
525952	12314007	C1014342005	34 x 0.14	9.6	73.8
526068	12314115	C1014372005	37 x 0.14	9.6	77.8
526140	12314191	C1014402005	40 x 0.14	10.0	82.1
526180	12314324	C1014442005	44 x 0.14	10.6	91.1
525953	12314014	C1014502005	50 x 0.14	11.2	99.1
526200	-	C1014522005	52 x 0.14	11.2	101.6
526220	12314696	C1014562005	56 x 0.14	11.3	110.7
526240	12314850	C1014612005	61 x 0.14	11.9	117.1

### COLORFLEX CY – section 0.25 mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
526740	12315808	C1025022005	2 x 0.25	4.3	12.9
526760	12315815	C1025032005	3 x 0.25	4.5	15.2
526780	12315822	C1025042005	4 x 0.25	4.8	18.7
526800	12315839	C1025052005	5 x 0.25	5.6	21.1
526801	12315846	C1025062005	6 x 0.25	5.8	25.4
526820	12315853	C1025072005	7 x 0.25	5.8	28.9
526840	12315860	C1025082005	8 x 0.25	6.3	35.5
526860	12315877	C1025102005	10 x 0.25	7.2	42.7
526880	12315884	C1025122005	12 x 0.25	7.4	47.8
526900	12315916	C1025142005	14 x 0.25	7.7	54.6
526920	12315978	C1025162005	16 x 0.25	8.1	59.6
526930	12315985	C1025182005	18 x 0.25	8.7	66.4
526980	12316010	C1025212005	21 x 0.25	9.3	73.3
526990	12316034	C1025252005	25 x 0.25	10.3	86.6
527000	12316065	C1025272005	27 x 0.25	10.3	91.1
527020	12316072	C1025302005	30 x 0.25	10.6	101.6
527023	12316096	C1025342005	34 x 0.25	11.4	110.7
527022	12316089	C1025372005	37 x 0.25	11.9	117.7
527080	12316104	C1025402005	40 x 0.25	12.0	128.5
527120	12316111	C1025442005	44 x 0.25	12.6	137.9
527122	12316128	C1025502005	50 x 0.25	13.3	172.8
527160	12316135	C1025522005	52 x 0.25	13.4	177.3
527180	12316142	C1025562005	56 x 0.25	13.7	186.3
527200	12316159	C1025612005	61 x 0.25	14.2	197.6

### COLORFLEX CY – section 0.34 mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527660	12316591	C1034022005	2 x 0.34	4.9	16.7
527680	12316731	C1034032005	3 x 0.34	5.1	19.9
527700	12316870	C1034042005	4 x 0.34	5.6	24.2
527710	12316887	C1034052005	5 x 0.34	6.4	34.0
526319	12315163	C1034062005	6 x 0.34	6.9	39.9
527720	12316933	C1034072005	7 x 0.34	6.9	42.9
527740	12316940	C1034082005	8 x 0.34	7.4	46.6
527760	12316957	C1034102005	10 x 0.34	8.4	57.7
527780	12316971	C1034122005	12 x 0.34	8.5	64.2
527800	12316995	C1034142005	14 x 0.34	9.1	74.5
527820	12317037	C1034162005	16 x 0.34	9.5	80.8
527822	12317044	C1034182005	18 x 0.34	10.4	87.2
527860	12317169	C1034212005	21 x 0.34	10.9	100.5
527861	12317176	C1034252005	25 x 0.34	12.1	117.1
527900	12317239	C1034272005	27 x 0.34	12.1	123.4
527920	12317284	C1034302005	30 x 0.34	12.6	133.2
527923	12317309	C1034342005	34 x 0.34	13.7	166.7
527922	12317291	C1034372005	37 x 0.34	13.7	176.5
527980	12317424	C1034402005	40 x 0.34	14.2	185.9
528020	12317532	C1034442005	44 x 0.34	15.2	205.8
528021	12317549	C1034502005	50 x 0.34	15.9	224.7
528060	12317556	C1034522005	52 x 0.34	15.9	230.9
528080	12317563	C1034562005	56 x 0.34	16.3	244.8
528100	12317570	C1034612005	61 x 0.34	16.8	266.4

### COLORFLEX CY – section 0.50mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
528102	12317587	C1050022005	2 x 0.50	5.4	20.9
528103	12317594	C1050032005	3 x 0.50	5.7	25.4
528104	12317602	C1050042005	4 x 0.50	6.3	36.7
528105	12317619	C1050052005	5 x 0.50	6.9	44.0
528106	12317626	C1050062005	6 x 0.50	7.3	51.3
528107	12317633	C1050072005	7 x 0.50	7.3	55.8
528108	12317640	C1050082005	8 x 0.50	8.3	60.6
528110	12317657	C1050102005	10 x 0.50	9.4	76.4
528112	12317664	C1050122005	12 x 0.50	9.7	85.8
528113	12317671	C1050142005	14 x 0.50	10.5	94.9
528114	12317688	C1050162005	16 x 0.50	11.0	108.2
528116	12317695	C1050182005	18 x 0.50	11.5	117.4
528127	12317710	C1050212005	21 x 0.50	12.1	135.2

### COLORFLEX CY – section 0.75mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
528120	12317703	C1075022005	2 x 0.75	6.0	28.1
528140	12317734	C1075032005	3 x 0.75	6.5	41.5
528160	12317741	C1075042005	4 x 0.75	7.0	50.8
528161	12317758	C1075052005	5 x 0.75	7.8	60.4
528180	12317880	C1075062005	6 x 0.75	8.6	68.0
528182	12317905	C1075072005	7 x 0.75	8.6	76.8
528220	12317981	C1075082005	8 x 0.75	9.3	84.3
528222	12317998	C1075102005	10 x 0.75	10.7	105.6
528240	12318061	C1075122005	12 x 0.75	10.9	119.6
528241	12318078	C1075142005	14 x 0.75	11.8	133.3
528242	12318085	C1075162005	16 x 0.75	12.4	151.2
528246	12318100	C1075182005	18 x 0.75	13.0	165.0
528244	12318092	C1075212005	21 x 0.75	13.9	206.9

### COLORFLEX CY – section 1.0mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
528500	12318612	C1100022005	2 x 1.0	6.4	50.0
528502	12318636	C1100032005	3 x 1.0	6.7	64.0
528504	12318650	C1100042005	4 x 1.0	7.3	80.0
528506	12318667	C1100052005	5 x 1.0	8.1	95.0
528507	12318674	C1100062005	6 x 1.0	8.9	105.0
528508	12318681	C1100072005	7 x 1.0	8.9	120.0
528509	12318698	C1100082005	8 x 1.0	9.6	130.0
528512	12318706	C1100102005	10 x 1.0	11.4	165.0

### COLORFLEX CY – section 1.5mm<sup>2</sup>

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
528550	12318720	C1150022005	2 x 1.5	7.2	53.0
528552	12318737	C1150032005	3 x 1.5	8.0	68.4
528554	12318744	C1150042005	4 x 1.5	8.7	84.6
528556	12318751	C1150052005	5 x 1.5	9.4	102.1
528557	12318768	C1150062005	6 x 1.5	10.6	116.0
528560	12318775	C1150072005	7 x 1.5	10.6	129.2
528561	12318782	C1150082005	8 x 1.5	11.4	146.4
528564	12318799	C1150102005	10 x 1.5	13.2	192.2
528566	12318807	C1150122005	12 x 1.5	13.6	225.9