

COLORFLEX XY

Cable construction

Conductor: Bare copper according to VDE 0295 cl. 5

Section (mm ²)	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 ²)	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) with talc

Sheath: Pvc compound type TM2 according to VDE 0207-5
 Colour code: Grey Ral 7000

Marking : Not required

General properties

Bending radius: 10 x D

Temperature range: -5 +80° C (Static applications)

Working Voltage: 300 V

Test Voltage:

Section (mm ²)	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 ²)	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 XY – section 0.14 mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
525300	12312467	B1014022005	2 x 0.14	3.2	2.69
525320	12312474	B1014032005	3 x 0.14	3.5	4.03
525340	12312481	B1014042005	4 x 0.14	3.7	5.38
525360	12312498	B1014052005	5 x 0.14	4.0	6.72
525380	12312506	B1014062005	6 x 0.14	4.4	8.06
525382	12312513	B1014072005	7 x 0.14	4.4	9.41
525400	12312520	B1014082005	8 x 0.14	4.8	10.75
525420	12312537	B1014102005	10 x 0.14	5.4	13.44
525440	12312551	B1014122005	12 x 0.14	5.6	16.13
525460	12312568	B1014142005	14 x 0.14	6.0	18.82
525480	12312575	B1014162005	16 x 0.14	6.3	21.50
525540	12312599	B1014212005	21 x 0.14	7.4	28.22
525500	12312582	B1014252005	25 x 0.14	8.5	33.60
525580	12312614	B1014272005	27 x 0.14	8.2	36.29
525600	12312638	B1014302005	30 x 0.14	8.4	40.32
525601	12312645	B1014342005	34 x 0.14	8.7	45.70
525602	12312652	B1014372005	37 x 0.14	9.4	49.73
525660	12312955	B1014402005	40 x 0.14	9.5	53.76
525700	12313174	B1014442005	44 x 0.14	10.2	59.14
525710	12313198	B1014502005	50 x 0.14	10.5	67.20
525740	12313206	B1014522005	52 x 0.14	10.5	69.89
525780	12313345	B1014612005	61 x 0.14	11.2	81.98

COLORFLEX XY – section 0.25 mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
526260	12314951	B1025022005	2 x 0.25	3.9	4.80
526280	12315000	B1025032005	3 x 0.25	4.3	7.20
526300	12315132	B1025042005	4 x 0.25	4.6	9.60
526320	12315170	B1025052005	5 x 0.25	5.0	12.00
526322	12315194	B1025062005	6 x 0.25	5.4	14.40
526340	12315226	B1025072005	7 x 0.25	5.4	16.80
526360	12315303	B1025082005	8 x 0.25	5.8	19.20
526380	12315358	B1025102005	10 x 0.25	6.6	24.00
526400	12315365	B1025122005	12 x 0.25	6.8	28.80
526420	12315372	B1025142005	14 x 0.25	7.1	33.60
526440	12315404	B1025162005	16 x 0.25	7.5	38.40
526470	12315428	B1025182005	18 x 0.25	8.3	43.20
526500	12315651	B1025212005	21 x 0.25	8.6	50.40
526510	12315668	B1025252005	25 x 0.25	9.7	60.00
526520	12315675	B1025272005	27 x 0.25	9.7	64.80
526526	12315682	B1025302005	30 x 0.25	10.0	72.00
526530	12315707	B1025342005	34 x 0.25	10.6	81.60
526528	12315699	B1025372005	37 x 0.25	10.8	88.80
526600	12315721	B1025402005	40 x 0.25	11.2	96.00
526624	12315745	B1025442005	44 x 0.25	12.0	105.60
526625	12315752	B1025502005	50 x 0.25	12.5	120.00
526680	12315769	B1025522005	52 x 0.25	12.5	124.80

COLORFLEX XY – section 0.34 mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527220	12316166	B1034022005	2 x 0.34	4.5	6.53
527240	12316173	B1034032005	3 x 0.34	4.9	9.79
527260	12316180	B1034042005	4 x 0.34	5.4	13.06
527280	12316205	B1034052005	5 x 0.34	5.8	16.32
527300	12316212	B1034062005	6 x 0.34	6.3	19.58
527320	12316229	B1034072005	7 x 0.34	6.3	22.85
527322	12316236	B1034082005	8 x 0.34	6.8	26.11
527340	12316243	B1034102005	10 x 0.34	7.8	32.64
527344	12316250	B1034122005	12 x 0.34	8.0	39.17
527380	12316267	B1034142005	14 x 0.34	8.5	45.70
527400	12316274	B1034162005	16 x 0.34	8.9	52.22
527410	12316281	B1034182005	18 x 0.34	9.8	58.75
527440	12316298	B1034212005	21 x 0.34	10.3	68.54
527450	12316306	B1034252005	25 x 0.34	11.5	81.60
527480	12316313	B1034272005	27 x 0.34	11.5	88.13
527500	12316320	B1034302005	30 x 0.34	12.0	97.92
527510	12316344	B1034342005	34 x 0.34	12.7	110.98
527502	12316337	B1034372005	37 x 0.34	12.9	120.77
527540	12316351	B1034402005	40 x 0.34	13.4	130.56
527580	12316375	B1034442005	44 x 0.34	14.4	143.62
527590	12316382	B1034502005	50 x 0.34	15.1	163.20
527600	12316399	B1034522005	52 x 0.34	15.1	169.73
527640	12316438	B1034612005	61 x 0.34	17.0	199.10

COLORFLEX XY – section 0.50mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527641	12316445	B1050022005	2 x 0.50	5.0	9.60
527642	12316452	B1050032005	3 x 0.50	5.3	14.40
527643	12316469	B1050042005	4 x 0.50	5.8	19.20
527644	12316476	B1050052005	5 x 0.50	6.2	24.00
527645	12316483	B1050062005	6 x 0.50	6.7	28.80
527646	12316490	B1050072005	7 x 0.50	6.7	33.60
527647	12316508	B1050082005	8 x 0.50	7.5	38.40
527649	12316515	B1050102005	10 x 0.50	8.8	48.00
527650	12316522	B1050122005	12 x 0.50	9.1	57.60
527651	12316539	B1050142005	14 x 0.50	9.5	67.20
527652	12316546	B1050162005	16 x 0.50	10.4	76.80
527630	12316407	B1050182005	18 x 0.50	10.9	86.40
527654	12316553	B1050212005	21 x 0.50	11.5	100.80
527631	12316414	B1050252005	25 x 0.50	13.0	120.00
527656	12316560	B1050272005	27 x 0.50	13.0	129.60
527657	12316577	B1050302005	30 x 0.50	13.5	144.00
527632	12316421	B1050342005	34 x 0.50	14.4	163.20
527659	12316584	B1050372005	37 x 0.50	14.6	177.60
526315	12315149	B1050402005	40 x 0.50	15.0	192.00

COLORFLEX XY – section 0.75mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527666	12316609	B1075022005	2 x 0.75	5.6	14.40
527667	12316616	B1075032005	3 x 0.75	5.9	21.60
527668	12316623	B1075042005	4 x 0.75	6.4	28.80
527669	12316630	B1075052005	5 x 0.75	7.0	36.00
527670	12316647	B1075062005	6 x 0.75	8.0	43.20
527671	12316654	B1075072005	7 x 0.75	8.0	50.40
527672	12316661	B1075082005	8 x 0.75	8.7	57.60
527674	12316678	B1075102005	10 x 0.75	10.4	72.00
527675	12316685	B1075122005	12 x 0.75	10.7	86.40
527676	12316692	B1075142005	14 x 0.75	11.2	100.80
527677	12316700	B1075162005	16 x 0.75	11.8	115.20
527678	12316717	B1075182005	18 x 0.75	12.4	129.60
527679	12316724	B1075212005	21 x 0.75	13.1	151.20
526316	12315156	B1075252005	25 x 0.75	14.7	180.00
527681	12316748	B1075272005	27 x 0.75	14.7	194.40
527682	12316755	B1075302005	30 x 0.75	15.2	216.00
527683	12316762	B1075342005	34 x 0.75	16.8	244.80
527684	12316779	B1075372005	37 x 0.75	17.2	266.40
527685	12316786	B1075402005	40 x 0.75	17.7	288.00

COLORFLEX XY – section 1.0mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527691	12316793	B1100022005	2 x 1.0	5.8	19.20
527692	12316801	B1100032005	3 x 1.0	6.1	28.80
527693	12316818	B1100042005	4 x 1.0	6.7	38.40
527694	12316825	B1100052005	5 x 1.0	7.3	48.00
527695	12316832	B1100062005	6 x 1.0	8.1	57.60
527696	12316849	B1100072005	7 x 1.0	8.1	67.20
527697	12316856	B1100082005	8 x 1.0	9.0	76.80
527699	12316863	B1100102005	10 x 1.0	10.8	96.00

COLORFLEX XY – section 1.5mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
527716	12316894	B1150022005	2 x 1.50	6.6	28.80
527717	12316902	B1150032005	3 x 1.50	7.0	43.20
527718	12316919	B1150042005	4 x 1.50	8.1	57.60
527719	12316926	B1150052005	5 x 1.50	8.8	72.00
526321	12315187	B1150062005	6 x 1.50	9.5	86.40