

DATAFLEX CY

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

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

Colour code: conductors according to TAB DIN 47100
Pairs: Conductors twisted in pairs TAB DIN 47100
Assembly: Pairs 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 **(ONLY for section 0.14 mm², UL approved):**
 E132956 UR AWM STYLE 2560 60°C 30V – LOW VOLTAGE COMPUTER CABLE – VW1 - +S+S+S

General properties

Bending radius: 15 x D
Temperature range: -5 +80° C (Static applications)
Working Voltage: 300 V
Test Voltage: 1200 V
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

Nominal Capacity:

Section (mm ²)	Number of pairs	CondNom. Capacity core/core (Ω/Km)	CondNom. Capacity core/screen (Ω/Km)
0.14	2 – 25	130	230
0.25	2 – 18	150	290
	> 18	130	270
0.34	2 – 14	140	280
0.50	2 – 14	160	300
0.75	2 – 18	170	310

DATAFLEX CY – section 0.14 mm² – UL STYLE 2560 approved

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
516680	12309700	C2014022005	2 x 2 x 0.14	5.5	16.00
516700	12309762	C2014032005	3 x 2 x 0.14	5.8	18.90
516720	12309801	C2014042005	4 x 2 x 0.14	6.2	28.30
516740	12309818	C2014052005	5 x 2 x 0.14	7.0	33.10
516760	12309825	C2014062005	6 x 2 x 0.14	7.5	37.80
516780	12309832	C2014072005	7 x 2 x 0.14	7.5	40.30
516800	12309849	C2014082005	8 x 2 x 0.14	8.0	43.20
516820	12309856	C2014102005	10 x 2 x 0.14	8.7	55.00
516860	12309863	C2014122005	12 x 2 x 0.14	8.9	60.10
516880	12309870	C2014142005	14 x 2 x 0.14	9.4	65.70
516920	12309887	C2014162005	16 x 2 x 0.14	10.4	74.30
516940	12309902	C2014182005	18 x 2 x 0.14	11.0	79.40
516922	12309894	C2014212005	21 x 2 x 0.14	11.8	90.90
517020	12309919	C2014252005	25 x 2 x 0.14	12.1	105.50

DATAFLEX CY – section 0.25 mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
517283	12310500	C2025022005	2 x 2 x 0.25	6.3	26.20
517357	12310841	C2025032005	3 x 2 x 0.25	6.9	33.30
517284	12310517	C2025042005	4 x 2 x 0.25	7.4	38.90
517285	12310524	C2025052005	5 x 2 x 0.25	8.2	45.10
517286	12310531	C2025062005	6 x 2 x 0.25	8.9	52.00
517287	12310548	C2025072005	7 x 2 x 0.25	9.4	58.10
517288	12310555	C2025082005	8 x 2 x 0.25	10.0	64.90
517290	12310562	C2025102005	10 x 2 x 0.25	11.0	78.30
517291	12310579	C2025122005	12 x 2 x 0.25	11.2	87.20
517292	12310586	C2025142005	14 x 2 x 0.25	12.1	105.20
517293	12310593	C2025162005	16 x 2 x 0.25	12.6	109.10
517294	12310601	C2025182005	18 x 2 x 0.25	13.2	122.10
517295	12310618	C2025212005	21 x 2 x 0.25	14.8	136.50
517296	12310625	C2025252005	25 x 2 x 0.25	15.8	170.50

DATAFLEX CY – section 0.34 mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
517307	12310632	C2034022005	2 x 2 x 0.34	7.2	36.10
517308	12310649	C2034032005	3 x 2 x 0.34	8.2	42.30
517309	12310656	C2034042005	4 x 2 x 0.34	8.7	51.30
517310	12310663	C2034052005	5 x 2 x 0.34	9.8	61.50
517311	12310670	C2034062005	6 x 2 x 0.34	10.5	69.00
517312	12310687	C2034072005	7 x 2 x 0.34	10.5	75.20
517313	12310694	C2034082005	8 x 2 x 0.34	11.3	84.30
517315	12310702	C2034102005	10 x 2 x 0.34	12.9	102.00
517316	12310719	C2034122005	12 x 2 x 0.34	13.3	118.00
517317	12310726	C2034142005	14 x 2 x 0.34	14.1	134.70

DATAFLEX CY – section 0.50mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
517356	12310834	C2050022005	2 x 2 x 0.50	8.8	42.40
517332	12310740	C2050032005	3 x 2 x 0.50	9.0	53.80
517333	12310757	C2050042005	4 x 2 x 0.50	10.0	67.00
517334	12310764	C2050052005	5 x 2 x 0.50	10.8	80.20
517335	12310771	C2050062005	6 x 2 x 0.50	11.7	90.20
517336	12310788	C2050072005	7 x 2 x 0.50	11.9	99.30
517337	12310795	C2050082005	8 x 2 x 0.50	12.8	111.80
517339	12310803	C2050102005	10 x 2 x 0.50	14.4	136.00
517340	12310810	C2050122005	12 x 2 x 0.50	15.0	157.30
517341	12310827	C2050142005	14 x 2 x 0.50	15.8	179.80

DATAFLEX CY – section 0.75mm²

Art.	SAP code	Csw code	Description	Nominal Diameter (mm)	Cu weight (Kg/Km)
517420	12310858	C2075022005	2 x 2 x 0.75	8.5	56.60
517440	12310865	C2075032005	3 x 2 x 0.75	9.7	73.60
517460	12310872	C2075042005	4 x 2 x 0.75	10.6	91.40
517461	12310889	C2075052005	5 x 2 x 0.75	11.8	109.20
517480	12310896	C2075062005	6 x 2 x 0.75	12.6	127.00
517481	12310904	C2075072005	7 x 2 x 0.75	12.8	140.60
517500	12310911	C2075082005	8 x 2 x 0.75	14.5	154.50
517502	12310928	C2075102005	10 x 2 x 0.75	15.1	190.70
517520	12310942	C2075122005	12 x 2 x 0.75	16.5	219.60
517521	12310959	C2075142005	14 x 2 x 0.75	18.0	269.30
517522	12310966	C2075162005	16 x 2 x 0.75	18.6	304.60
517523	12310973	C2075182005	18 x 2 x 0.75	19.5	333.20