



USE OF CABLE

UL/CSA approved data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology for lossless data and signal transmission. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- twisted pairs
- largely resistant to acids, bases and specified types of oil
- LABS-/silicone-free (during production)
- recommended for EMC-applications
- adapted to connectors according DIN 41612 resp. VG Norm95324 also D-Sub according MIL-C24308 and capable for soldering, crimp and cut-and-clamp

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Copper strand tinned
Conductor class:	7 wired; AWG28/7 = 7 x 0,13 mm (0,09 mm ²); AWG24/7 = 7 x 0,203 mm (0,22 mm ²)
Core insulation:	AWG24: special SR-PVC (Semi-Rigid-PVC); AWG28: special-PVC
Core identification:	Acc. to DIN 47100 different colours, with repetition from 23rd pair
Stranding:	2 cores twisted to a pair; pairs stranded in layers
Shield3:	Copper braid tinned; coverage approx. 85% with subjacent tinned drain wire
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7032
Rated voltage:	AWG28/7 = 250 V acc. to VDE; 30 V acc. to UL style 2560; AWG24/7 = 300 V acc. to VDE and UL style 2464
Testing voltage:	1.2 kV
Conductor resistance:	On AWG28/7 < 250 Ω/km; on AWG24/7 < 130 Ω/km
Insulation resistance:	Min. 200 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. Guidelines
Min. bending radius fixed:	Up to 12 mm Ø 5 x d; up to 20 mm Ø 7,5 x d; > 20 mm Ø 10 x d
Min. bending radius moved:	Up to 12 mm Ø 10 x d; up to 20 mm Ø 15 x d; > 20 mm Ø 20 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C; acc. to UL -5 °C / +60 °C
Operat. temp. moved min/max:	-5 °C / +70 °C; acc. to UL -5 °C / +60 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1
Standard:	UL style 2560 (AWG28/7) resp. UL style 2464 (AWG 24/7)
Approvals:	UL/CSA: AWG28/7: 60 °C - 30 V; AWG24/7: 60 °C - 300 V

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500091	2 X 2 X AWG 24/7 (0,22 mm ²)	6,5	17,00	40,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500096	3 X 2 X AWG 24/7 (0,22 mm ²)	6,8	24,00	50,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500100	4 X 2 X AWG 24/7 (0,22 mm ²)	6,9	43,50	65,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500104	5 X 2 X AWG 24/7 (0,22 mm ²)	7,9	46,40	88,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500105	7 X 2 X AWG 24/7 (0,22 mm ²)	8,9	78,00	113,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500081	10 X 2 X AWG 24/7 (0,22 mm ²)	10,1	98,00	140,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500080	12 X 2 X AWG 24/7 (0,22 mm ²)	11,1	110,00	155,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500085	16 X 2 X AWG 24/7 (0,22 mm ²)	12,2	142,00	195,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500088	20 X 2 X AWG 24/7 (0,22 mm ²)	12,8	168,00	235,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500092	30 X 2 X AWG 24/7 (0,22 mm ²)	15,4	258,00	325,00	grey	V1: DATATRONIC-CY (TP) UL 2464 / CSA
0500103	5 X 2 X AWG 28/7 (0,09 mm ²)	5,3	22,00	48,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500106	8 X 2 X AWG 28/7 (0,09 mm ²)	6,2	29,00	68,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0506559	10 X 2 X AWG 28/7 (0,09 mm ²)	6,6	31,80	91,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500083	13 X 2 X AWG 28/7 (0,09 mm ²)	7,4	42,00	116,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500082	16 X 2 X AWG 28/7 (0,09 mm ²)	8,0	48,00	130,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0507316	18 X 2 X AWG 28/7 (0,09 mm ²)	8,1	53,00	140,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500084	19 X 2 X AWG 28/7 (0,09 mm ²)	8,2	54,00	145,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500087	25 X 2 X AWG 28/7 (0,09 mm ²)	9,3	68,00	198,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500093	32 X 2 X AWG 28/7 (0,09 mm ²)	9,9	90,00	240,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500094	34 X 2 X AWG 28/7 (0,09 mm ²)	9,8	95,00	255,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA
0500098	48 X 2 X AWG 28/7 (0,09 mm ²)	11,4	122,00	290,00	grey	V2: DATATRONIC-CY (TP) UL 2560 / CSA