Kontakt:

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Sondertypen / Special Manufacturing

Control-Y-JZ UL Black 0,6/1kV

American and Canadian oil-resistant Control and Power Cable
American and Canadian oil-resistant Control and Power Cable

Verwendung:

UL and CSA approved Control Cable especially for European and American markets. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuosuly recurring movement without tensile load or compulsory guidance. Mainly in dry, damp and wet interiors, including water-oil mixtures. The cable is also suitable for outdoor use within the indicated working temperatures.
[INDEX:20201001SQ]

Application:

UL and CSA approved Control Cable especially for European and American markets. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuosuly recurring movement without tensile load or compulsory guidance. Mainly in dry, damp and wet interiors, including water-oil mixtures. The cable is also suitable for outdoor use within the indicated working temperatures.
[INDEX:20201001SQ]

Aufbau:

- flexible bare copper conductors according to CEI 20-29, Class , DIN-VDE 0295 K5 and IEC 60228 Cl.5
-PVC Insulation compound TI1 and UL 80°C according to UL 1581
- black cores numbered + earth conductor
- outer sheath: special PVC TM2 and UL 80°C acc. to UL 1581

Construction:

- flexible bare copper conductors according to CEI 20-29, Class , DIN-VDE 0295 K5 and IEC 60228 Cl.5
-PVC Insulation compound TI1 and UL 80°C according to UL 1581
- black cores numbered + earth conductor
- outer sheath: special PVC TM2 and UL 80°C acc. to UL 1581

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5 CEI 20-29, Class , DIN-VDE 0295 K5 and IEC 60228 Cl.5
Aderisolationwerkstoff	PVC
Aderkennung	Nach DIN VDE 0293: Schwarze Adern mit fortlaufendem weißen Ziffernaufdruck
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	Spezial PVC, UV beständig
Mantelfarbe	Schwarz
Nennspannung [V]	UL 1000V
Prüfspannung [V]	10.000V
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	4xd
kleinster Biegeradius bewegt [xd]	
Betriebstemp. fest min/max [C]	-40°C bis +90
Betriebstemp. bew. min/mac [C]	-5°C bis +90
Temperatur am Leiter max.	
Brandverhalten	Self-extinguishing IEC 60332-1 Reduced Fire Propagation, Fire retardant as IEC 60332-3-24 - CEI 20-22 II and NBN C30-004, cat F2 Flame retardant rating UL 758 FT1
Normen	UL AWM Style 2570 CSA AWM I A/B II A/B UV and weather-resistant according to ISO 4892-2

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 5 acc. CEI 20-29, Class , DIN-VDE 0295 K5 and IEC 60228 Cl.5
core insulation	PVC
core identification	Acc. to DIN VDE 0293: Black cores with white numerals
stranding	Cores twisted in layers
outer sheath	Special PVC, UV resistant
sheath colour	black
rated voltage [V]	UL 1000V
testing voltage [V]	10.000V
conductor resistance	
insulation resistance	
current carrying capacity	
min. bending radius fixed [xd]	4xd
min. bending radius moved [xd]	
working temp fixed min/max [C]	-40°C up to +90
working temp moved min/mac [C]	-5°C up to +90
temp at conductor max.	
burning behaviour	Self-extinguishing IEC 60332-1 Reduced Fire Propagation, Fire retardant as IEC 60332-3-24 - CEI 20-22 II and NBN C30-004, cat F2 Flame retardant rating UL 758 FT1
Approvals	UL AWM Style 2570 CSA AWM I A/B II A/B UV and weather-resistant according to ISO 4892-2

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	2 x 0.5 AWG21	5.0	0.96	3.63
	2 x 0.75 AWG19	5.4	1.44	4.46
	2 x 1 AWG18	5.7	1.92	5.19
	2 x 1.5 AWG16	6.3	2.88	6.77
	2 x 2.5 AWG14	7.5	4.80	10.12
	2 x 4 AWG12	8.8	7.68	14.70
	2 x 6 AWG10	10.4	11.52	21.10
	3 x 0.5 AWG21	5.3	1.44	4.33
	3 x 0.75 AWG19	5.7	2.16	5.37
	3 x 1 AWG18	6.1	2.88	6.43
	3 x 1.5 AWG16	6.7	4.32	8.43
	3 x 2.5 AWG14	8.0	7.20	12.78
	3 x 4 AWG12	9.3	11.52	18.55
	3 x 6 AWG10	11.1	17.28	27.06
	3 x 10 AWG8	14.5	28.80	45.62
	3 x 16 AWG6	16.8	46.08	66.81
	3 x 25 AWG4	21.6	72.00	107.28
	3 x 35 AWG2	24.2	100.80	142.00
	3 x 50 AWG1	29.6	144.00	207.39
	4 x 0.5 AWG21	5.7	1.92	5.19
	4 x 0.75 AWG19	6.2	2.88	6.58
	4 x 1 AWG18	6.6	3.84	7.87
	4 x 1.5 AWG16	7.3	5.76	10.46
	4 x 2.5 AWG14	8.7	9.60	15.91
	4 x 4 AWG12	10.5	15.36	24.14
	4 x 6 AWG10	12.4	23.04	34.84
	4 x 10 AWG8	15.9	38.40	57.59
	4 x 16 AWG6	18.7	61.44	85.95
	4 x 25 AWG4	23.8	96.00	136.48
	4 x 35 AWG2	26.7	134.40	181.32
	4 x 50 AWG1	32.6	192.00	264.11
	4 x 70 AWG2/0	37.6	417.28	336.00
	5 x 0.5 AWG21	6.3	2.40	6.38
	5 x 0.75 AWG19	6.8	3.60	8.01
	5 x 1 AWG18	7.2	4.80	9.53
	5 x 1.5 AWG16	8.0	7.20	12.77

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	5 x 2.5 AWG14	9.6	12.00	19.60
	5 x 4 AWG12	11.5	19.20	29.52
	5 x 6 AWG10	13.7	28.80	43.02
	5 x 10 AWG8	17.9	48.00	72.51
	5 x 16 AWG6	21.4	76.80	109.89
	5 x 25 AWG4	26.4	120.00	169.30
	5 x 35 AWG2	30.6	168.00	231.98
	5 x 50 AWG1	36.2	240.00	328.01
	6 x 0.5 AWG21	6.8	2.88	7.50
	6 x 0.75 AWG19	7.4	4.32	9.53
	6 x 1 AWG18	7.8	5.76	11.27
	6 x 1.5 AWG16	8.7	8.64	15.19
	7 x 0.5 AWG21	6.8	3.36	7.84
	7 x 0.75 AWG19	7.4	5.04	10.04
	7 x 1 AWG18	7.8	6.72	11.95
	7 x 1.5 AWG16	8.7	10.08	16.24
	7 x 2.5 AWG14	10.7	16.80	25.72
	7 x 4 AWG12	12.8	26.88	38.81
	7 x 6 AWG10	15.3	40.32	56.85
	7 x 10 AWG8	19.8	67.20	94.85
	10 x 0.5 AWG21	8.4	4.80	11.73
	10 x 0.75 AWG19	9.2	7.20	15.10
	10 x 1 AWG18	10.0	9.60	18.62
	10 x 1.5 AWG16	11.2	14.40	25.23
	12 x 0.5 AWG21	8.7	5.76	13.02
	12 x 0.75 AWG19	9.5	8.64	16.79
	12 x 1 AWG18	10.3	11.52	20.70
	12 x 1.5 AWG16	11.5	17.28	28.13
	12 x 2.5 AWG14	14.4	28.80	45.40
	16 x 0.5 AWG21	9.6	7.68	16.33
	16 x 0.75 AWG19	10.7	11.52	21.69
	16 x 1 AWG18	11.4	15.36	26.25
	16 x 1.5 AWG16	13.0	23.04	36.64
	18 x 0.5 AWG21	10.4	8.64	18.89
	18 x 0.75 AWG19	11.4	12.96	24.54
	18 x 1 AWG18	12.3	17.28	30.13

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Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
	18 x 1.5 AWG16	13.8	25.92	41.26
	18 x 2.5 AWG14	17.1	43.20	65.91
	20 x 0.5 AWG21	11.0	9.60	21.09
	20 x 0.75 AWG19	12.2	14.40	27.79
	20 x 1 AWG18	13.0	19.20	33.59
	20 x 1.5 AWG16	1.48	28.80	46.72
	25 x 0.5 AWG21	12.1	12.00	25.79
	25 x 0.75 AWG19	13.3	18.00	33.66
	25 x 1 AWG18	14.3	24.00	41.19
	25 x 1.5 AWG16	16.0	36.00	56.30
	25 x 2.5 AWG14	19.9	60.00	90.35
	27 x 0.5 AWG21	12.8	12.96	28.53
	27 x 0.75 AWG19	14.0	19.44	36.94
	27 x 1 AWG18	15.1	25.92	45.32
	27 x 1.5 AWG16	17.2	38.88	63.09
	32 x 0.5 AWG21	13.3	15.36	31.78
	32 x 0.75 AWG19	14.0	19.44	36.94
	32 x 1 AWG18	15.8	30.72	51.29
	32 x 1.5 AWG16	17.9	46.08	71.21
	34 x 0.5 AWG21	14.3	16.32	35.71
	34 x 0.75 AWG19	15.7	24.48	46.47
	34 x 1 AWG18	16.9	32.64	56.90
	34 x 1.5 AWG16	19.2	48.96	78.99
	34 x 2.5 AWG14	24.9	81.60	131.22
	37 x 0.5 AWG21	14.3	17.76	36.74
	37 x 0.75 AWG19	15.7	26.64	48.01
	37 x 1 AWG18	16.9	35.52	58.95
	37 x 1.5 AWG16	19.2	53.28	82.13
	41 x 0.5 AWG21	15.3	19.68	41.59
	41 x 1 AWG18	18.2	39.36	67.06
	41 x 1.5 AWG16	21.2	59.04	95.83
	50 x 0.5 AWG21	16.8	24.00	50.34
	50 x 0.75 AWG19	18.4	36.00	65.53
	50 x 1 awg18	19.9	48.00	80.84
	50 x 1.5 AWG16	23.0	72.00	114.61

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