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Sondertypen / Special Manufacturing

YSLY-0 UL Black Ul/CSA

Increased oil-resistant Control and Power supply single core cable
Increased oil-resistant Control and Power supply single core cable

Verwendung:

Especially suitable for export-oriented machinery. It is suitable for control equipment on machine tools subjected to medium mechanical stresses, for fixed and flexible installation, where free movement is required without tensile stresses and without forced guidance systems. In dry, damp and wet rooms, including water-oil mixtures.
The cable is also suitable for outdoor use within the indicated working temperature.
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Application:

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Aufbau:

-flexible bare copper conductores according to CEI 20-29 Class 5, IEC 60228 Cl.5, DIN-VDE 0295 K5 and UL 83 standard
- special PVC Insulation compound TI3 UL 90°C 758
- black or green/yellow core
- outer sheath of special PVC TM3 type according to UL 90°C 758

Construction:

-flexible bare copper conductores according to CEI 20-29 Class 5, IEC 60228 Cl.5, DIN-VDE 0295 K5 and UL 83 standard
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Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5
Aderisolationwerkstoff	Spezial PVC
Aderkennung	schwarz oder grün/gelb
Verseilung	
Außenmantelwerkstoff	Spezial PVC, UV beständig
Mantelfarbe	schwarz
Nennspannung [V]	600V UL - 600/1000V IEC
Prüfspannung [V]	6000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	4xd
kleinster Biegeradius bewegt [xd]	13xd
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, DIN VDE 0472 part 804; IEC 60332-1; UL 1581 section 1060 (Vertical Flame and FT1 Test) Reduced Fire Propagation according to IEC 60332-3-24
Normen	Oil-resistance: DIN EN 50290-2-22 resp. VDE 0819-102 TM54 UL Style 10107 CSA-AWM I A/B

Technical Data:

Conductor Material	bare copper
Conductor class	Class 5
core insulation	Special PVC
core identification	black or green/yellow
stranding	
outer sheath	Special PVC, UV resistant
sheath colour	Black
rated voltage [V]	600V UL - 600/1000V IEC
testing voltage [V]	6000
conductor resistance	
insulation resistance	
current carrying capacity	
min. bending radius fixed [xd]	4xd
min. bending radius moved [xd]	13xd
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, DIN VDE 0472 part 804; IEC 60332-1; UL 1581 section 1060 (Vertical Flame and FT1 Test) Reduced Fire Propagation according to IEC 60332-3-24
Approvals	Oil-resistance: DIN EN 50290-2-22 resp. VDE 0819-102 TM54 UL Style 10107 CSA-AWM I A/B

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
	1 x 2.5 AWG14	6.0	2.40	5.98
	1 x 4 AWG12	6.6	3.84	7.88
	1 x 6 AWG10	7.2	5.76	10.26
	1 x 10 AWG8	8.9	9.60	16.26
	1 x 16 AWG6	9.9	15.36	22.63
	1 x 25 AWG4	11.4	24.00	32.56
	1 x 35 AWG2	13.9	33.60	47.14
	1 x 50 AWG1	15.6	48.00	63.56
	1 x 70 AWG2/0	17.7	67.20	85.07
	1 x 95 AWG3/0	19.2	91.20	109.17
	1 x 120 AWG4/0	22.0	115.20	139.67
	1 x 150 250MCM	23.6	144.00	169.36
	1 x 185 350MCM	26.2	177.60	208.55
	1 x 240 450MCM	31.0	230.40	278.70
	1 x 300 550MCM	34.7	288.00	350.46

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