2YSLCY-J / 2YSLCYK-J
[D]

Model Product: 597-598 - 20160421

MOTOR POWER SUPPLY CABLE 0,6/1kV DOUBLE SCREENED
Motoranschlußleitung 0,6 / 1kV doppelt geschirmt

(Accordingly to the standards BT 2014/35/UE-2011/65/EU (RoHS 3))

Standards

(Entsprechend den Normen BT 2014/35/UE- 2011/65/EU (RoHS 3))

Referenzstandards

IEC 60332-1-2 as applicable IEC 60502

Class 5 flexible copper conductor.
PE Insulation
Screens: aluminium foil (covered 100%), tinned copper braiding (covered 85%)
Special Outer sheath PVC.

Cu-Leiter blank. Klasse 5.
PE Aderiisolation
Schirm: Aluminium Folie (100 % Bedeckung), verzinntes Kupfergeflecht (85 % Bedeckung)
Außenmantel PVC.

Nominal voltage U0	600 V	*Spannung U0*
Nominal voltage U	1000 V	*Nennspannung U*
Maximun operating temperature	+90°C	*Maximale Bertriebs Temperatur*
Maximun short circuit temperature	+250°C	*Maximale Kurzschlusses Temperatur*
Min. operating temperature (without mechanical shocks)	-40°C	*Minimale Betriebstemperatur Feste Verlegung*
Minimum installation and use temperature	0°C	*Minimale installation und verwendung temperatur*

Common features
Connecting cable for drive-sytem with frequency converter Technology.Suitable for fix installation and casually moviment in dry , humid and wet environments outdoor - use (2YSLCYK-J only).

Employment
Minimum bending radius per D cable diameter (in mm):
Fixed installation = 8D
Flexible Installation = 10D <12 - 15D <20 - 20D >20
Maximum pulling stress:
50 N/mmq

Core colours
Three cores: gray-brown-black-Y/G divide into 3 cores
Four cores: gray-brown-black-Y/G.

Sheath colour
Black (2YSLCYK-J) or transparent (2YSLCY-J)

Ink marking
"year-GENERAL CAVI 2YSLCY-J-n°cores x sect."(transparent sheath)
OR "year-GENERAL CAVI 2YSLCYK-J-n°cores x sect." (black sheath)

Note
MAX. OPERATING VOLTAGE: A.C. and 3-phase 700/1200 V
D.C. operation 900/1800 V
EMC Coupling resistance max 250ohm/km

Verwendung
Als Motor-Steuerleintug, für Frequenzumrichter, für mittlerer mechanische beansprughung. Für feste verlegung und gelegentliche freie bewegung in trockenen, feuchten und nassen raumen.Annendung im Außenbereich (2YSLCYK-J).

Verlegebedingungen
Mindestbiegeradius Kabeldurchmesser (in mm):
Feste Verlegung = 8D
Kostenlose verlegung = 10D <12 - 15D <20 - 20D >20
Maximale Zugspannung:
50 N/mmq

Aderfarben
Drei adern: grau-braun-schwarz- G/G teilen sich in 3 Adern
Vier adern: grau-braun-schwarz- G/G.

Mantelfarbe
Schwarz (2YSLCYK-J) oder transparent (2YSLCY-J)

Kennzeichnung
"Jahr-GENERAL CAVI 2YSLCY-Joh Anzahl x Querschnitt" (transparenter Mantel)
ODER "-Jahr-GENERAL CAVI 2YSLCYK-J-n ° Anzahl x Querschnitt" (schwarzer Mantel)

Hinweise
MAX. Betriebsspannung: AC-und 3-Phasen 700/1200 V
DC-Betrieb 900/1800 V
EMC Kopplungswiderstand max 250ohm/km

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Cores number and section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electris resistance at 20°C	Current carrying capacities amb. temp. in air or pipe
(N° x mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
Multicores / Multicores						
4 x 1.5	1.8	0.7	12.0	217	13.3	19
4 x 2.5	2.1	0.7	13.0	270	7.98	25
4 x 4	2.9	0.7	15.0	362	4.95	33
4 x 6	3.2	0.7	16.0	447	3.30	43
4 x 10	4.4	0.7	20.0	718	1.91	60
4 x 16	5.7	0.7	23.0	1005	1.21	80
4 x 25	6.9	0.9	26.0	1410	0.780	105
4 x 35	7.9	0.9	29.0	1950	0.554	132
4 x 50	9.4	1.0	34.0	2700	0.386	168
4 x 70	11.6	1.1	39.0	3600	0.272	196
4 x 95	12.9	1.1	42.0	4500	0.206	235
4 x 120	14.8	1.2	48.0	5600	0.161	289
4 x 150	16.2	1.4	53.0	6895	0.129	335
4 x 185	17.5	1.6	58.0	8270	0.106	385
4 x 240	19.8	1.8	65.0	10715	0.0801	453

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Cores number	section	Approx conductor diameter	Approx ground conductor diameter	Minimum insulation thickness	Minimu ground insulation thickness	Approx external diameter	Approx cable weight	Max conductor resistance 20°C	Max ground cond. resistance 20°C	Current carrying capacities amb. temp. in air or pipe
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(Ohm/km)	(A)
Multicores / Multicores										
3x1.5 + 3x0.25		1.8	-	0.7	0.6	12.0	215	13.3	-	18
3x2.5 + 3x0.5		2.1	0.85	0.7	0.6	13.0	265	7.98	39.0	26
3x4 + 3x0.75		2.9	1.2	0.7	0.6	15.0	350	4.95	26.0	34
3x6 + 3x1		3.2	1.3	0.7	0.7	16.0	430	3.30	19.5	44
3x10 + 3x1.5		4.4	1.8	0.7	0.7	21.0	695	1.91	13.3	61
3x16 + 3x2.5		5.7	2.1	0.7	0.7	24.0	925	1.21	7.98	82
3x25 + 3x4		6.9	2.9	0.9	0.7	28.0	1350	0.78	4.95	108
3x35 + 3x6		7.9	3.2	0.9	0.7	30.0	1760	0.554	3.30	135
3x50 + 3x10		9.4	4.4	1.0	0.7	35.0	2550	0.386	1.91	168
3x70 + 3x10		11.6	4.4	1.1	0.7	39.0	3210	0.272	1.91	207
3x95 + 3x16		12.9	5.7	1.1	0.7	42.0	4110	0.206	1.21	250
3x120 + 3x16		14.8	5.7	1.2	0.7	47.0	4925	0.161	1.21	292
3x150 + 3x25		16.2	6.9	1.4	0.9	52.0	6200	0.129	0.78	335
3x185 + 3x35		17.5	7.9	1.6	0.9	57.0	7500	0.106	0.554	382
3x240 + 3x50		19.8	9.4	1.7	1.0	62.0	9610	0.0801	0.386	453