

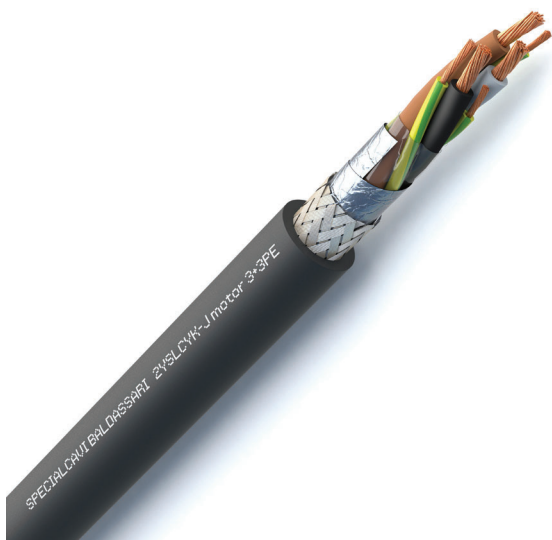


SPECIALCAVI BALDASSARI

POWER, CONTROL AND SIGNALLING

2YSLCYK-J MOTOR | 3+3PE

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI 2YSLCYK-J <formation> <lot> <year> DCA-S3,D2,A3



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible bare copper, class 5

Insulation:

PE compound

Stranding:

Cores twisted in concentric layers

Wrapping and protection:

Overall polyester tape

Shield:

1st shield:

Overall aluminium/polyester tape

2nd shield:

Overall tinned copper braid

Outer sheath:

Flame retardant PVC compound

Colours:

Cores identification:

Brown + Black + Grey + 3 x Green/Yellow

Outer sheath colour:

Black (based on RAL 9005)

ELECTRICAL CHARACTERISTICS

Nominal operating voltage: 0.6/1kV

Maximum operating voltage: 1.8kV D.C. and 1.2kV A.C.

Testing voltage: 4000V

APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.

Shielded cable characterized by its special construction, used to power motors with frequency converters when full electromagnetic compatibility (EMC) is required.

The symmetrical construction of the cable (3 + 3PE) ensures the symmetry of the supply voltages on the motor terminals. Suitable for both static and dynamic connections (occasional movement) in industrial plants, process lines and machines operating in dry or damp environments.

Direct or indirect underground laying is permitted (presence of water condition AD7).

STANDARDS

IEC 60228

REACTION TO FIRE CLASS

EN 50575:2016 D_{ca} - s3, d2, a3

TEMPERATURES

Minimum working temperature:

- Fixed laying -25°C
- Occasional mobile laying w/o stress -5°C

Maximum working temperature:

- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

Maximum short circuit temperature: +160°C

LAYING CONDITIONS



Minimum installation temperature -5°C



Min. bending radius:
d8 (fixed laying)
d15 (occasional mobile laying)



Max tensile stress:
50N/mm² (during installation)
15N/mm² (static stress)



Fixed laying



Occasional mobile laying w/o stress



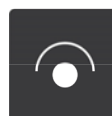
In open air



In duct or cable tray



In buried trough



Buried with protection



In buried duct



Directly buried

ON REQUEST

- Customized cores identification/outer sheath colours



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PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX PHASE CONDUCTOR RESISTANCE AT 20°C	MAX GROUND CONDUCTOR RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]	[Ohm/km]
*2CYYK15003	3 X 1.50 + 3 G 0.25	10.4	161	13.30	75.00
*2CYYK25003	3 X 2.50 + 3 G 0.50	11.3	202	7.98	39.00
*2CYYK40003	3 X 4.00 + 3 G 0.75	13.2	293	4.95	26.00
*2CYYK60003	3 X 6.00 + 3 G 1.00	14.4	376	3.30	19.50
*2CYYK100003	3 X 10.00 + 3 G 1.50	17.1	562	1.91	13.30
*2CYYK160003	3 X 16.00 + 3 G 2.50	19.4	803	1.21	7.98
*2CYYK250003	3 X 25.00 + 3 G 4.00	23.9	1208	0.78	4.95
*2CYYK350003	3 X 35.00 + 3 G 6.00	25.5	1590	0.554	3.30
*2CYYK500003	3 X 50.00 + 3 G 10.00	30.2	2263	0.386	1.91
*2CYYK700003	3 X 70.00 + 3 G 10.00	33.8	2950	0.272	1.91
*2CYYK950003	3 X 95.00 + 3 G 16.00	37.8	3979	0.206	1.21
*2CYYK1200003	3 X 120.00 + 3 G 16.00	42.4	4858	0.161	1.21
*2CYYK1500003	3 X 150.00 + 3 G 25.00	47.4	6204	0.129	0.780
*2CYYK1850003	3 X 185.00 + 3 G 35.00	51.9	7678	0.106	0.554
*2CYYK2400003	3 X 240.00 + 3 G 42.50	60.1	9886	0.0801	0.457

* According to in-stock availability, cable which must be produced on request and minimum quantity

¹ Unless otherwise specified, the values for weight and diameter are indicative.

Note: other values, if available and released for publication, are available on request.