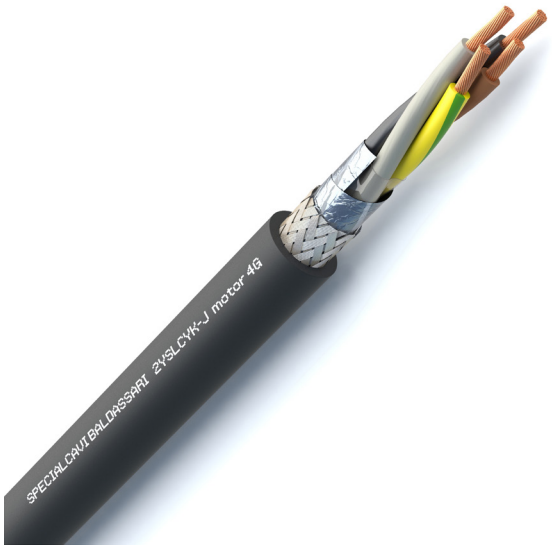
SPECIALCAVI **BALDASSARI**

POWER, CONTROL AND SIGNALLING

2YSLCYK-J MOTOR | 4G

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 + 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

STANDARDS

IEC 60228

REACTION TO FIRE CLASS

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

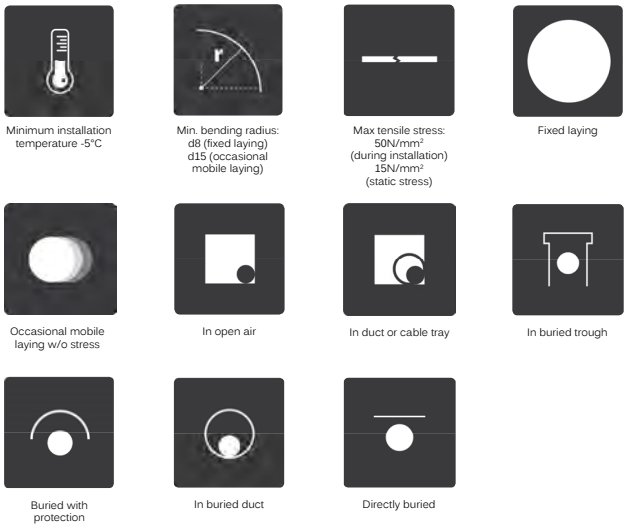
TEMPERATURES

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



ON REQUEST

- Customized cores identification/outer sheath colours

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 used to power motors with frequency converters when full electromagnetic compatibility (EMC) is required. Suitable for both static and dynamic connections (occasional movement) in industrial plants, process lines and machines operating in dry and humid environments.
Direct or indirect underground outdoors laying is permitted (presence of water condiction AD7).

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PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER[1] [mm]	WEIGHT[1] [kg/km]	MAX PHASE CONDUCTOR RESISTANCE AT 20°C [Ohm/km]
*2CYYK15004	4 X 1.50	10.8	170	13.30
*2CYYK25004	4 X 2.50	11.8	223	7.98
*2CYYK40004	4 X 4.00	13.8	330	4.95
*2CYYK60004	4 X 6.00	15.0	426	3.30
*2CYYK100004	4 X 10.00	17.6	633	1.91
*2CYYK160004	4 X 16.00	20.3	920	1.21
*2CYYK250004	4 X 25.00	24.7	1382	0.78
*2CYYK350004	4 X 35.00	27.5	1838	0.554
*2CYYK500004	4 X 50.00	32.2	2563	0.386
*2CYYK700004	4 X 70.00	37.9	3554	0.272
*2CYYK950004	4 X 95.00	42.2	46.80	0.206
*2CYYK1200004	4 X 120.00	47.3	5859	0.161
*2CYYK1500004	4 X 150.00	52.8	7294	0.129
*2CYYK1850004	4 X 185.00	58.3	8954	0.106
*2CYYK2400004	4 X 240.00	66.3	11554	0.0801

* 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.