



SPECIALCAVI BALDASSARI S.r.l.



AZIENDA CERTIFICATA
UNI EN ISO 9001:2000



e-mail: areatecnica@specialcavibaldassari.it

DATA SHEET

Cable Type: YSLY
Signalling and control cable

Customer : DATWYLER ELECTRONICS

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TECHNICAL DATA

Conductor: Bare copper multi-wires class 5
Insulation: P.V.C. compound type R2
Colour code: 2 Cores (-OZ) : Black with white number on black conductor.
 >2 Cores (-JZ) : Yellow/green and black with white number on black conductor.
Stranded: Cores grouped in concentric layer without central core enlarged
Sheath: Grey (similar RAL 7001) P.V.C. compound type Rz
Min. bending radius : 10 times the Ø
Laying : Fixed

DIMENSIONAL CHARACTERISTIC

FORMATION	2x0,50	3x0,50	4x0,50	5x0,50	6x0,50	7x0,50	10x0,50	12x0,50
OUTER Ø mm	4.8 ± 0.3	5.1 ± 0.3	5.7 ± 0.3	6.2 ± 0.3	6.7 ± 0.3	6.7 ± 0.3	8.6 ± 0.4	8.9 ± 0.4
INDICATIVE WEIGHT kg/km	35	42	53	63	75	78	118	126

FORMATION	16x0,50	21x0,50	25x0,50	30x0,50	40x0,50
OUTER Ø mm	10.2 ± 0.5	11.8 ± 0.6	12.8 ± 0.6	13.3 ± 0.7	16.0 ± 0.8
INDICATIVE WEIGHT kg/km	166	222	256	299	421

FORMATION	2x0,75	3x0,75	4x0,75	5x0,75	7x0,75	8x0,75	10x0,75
OUTER Ø mm	5.4 ± 0.3	5.7 ± 0.3	6.2 ± 0.3	6.8 ± 0.3	7.4 ± 0.4	8.7 ± 0.4	9.6 ± 0.5
INDICATIVE WEIGHT kg/km	45	54	67	81	101	132	155

FORMATION	12x0,75	16x0,75	18x0,75	21x0,75	25x0,75	30x0,75	40x0,75
OUTER Ø mm	9.9 ± 0.5	11.2 ± 0.6	11.8 ± 0.6	13.3 ± 0.7	14.4 ± 0.7	15.0 ± 0.8	18.0 ± 0.9
INDICATIVE WEIGHT kg/km	172	224	250	309	356	401	562

FORMATION	2x1	3x1	4x1	5x1	7x1	8x1	10x1
OUTER Ø mm	5.7 ± 0.3	6.0 ± 0.3	6.6 ± 0.3	7.2 ± 0.4	8.0 ± 0.4	9.5 ± 0.5	10.2 ± 0.5
INDICATIVE WEIGHT kg/km	52	63	78	95	122	161	183

FORMATION	12x1	14x1	16x1	18x1	21x1
OUTER Ø mm	10.5 ± 0.5	11.3 ± 0.6	11.9 ± 0.6	12.7 ± 0.6	14.2 ± 0.7
INDICATIVE WEIGHT kg/km	203	236	266	301	368

FORMATION	2x1,5	3x1,5	4x1,5	5x1,5	6x1,5	7x1,5	8x1,5
OUTER Ø mm	6.3 ± 0.3	6.7 ± 0.3	7.3 ± 0.4	8.1 ± 0.4	8.9 ± 0.4	8.9 ± 0.4	10.6 ± 0.5
INDICATIVE WEIGHT kg/km	67	82	102	126	152	161	211

FORMATION	10x1,5	12x1,5	14x1,5	16x1,5	18x1,5	21x1,5
OUTER Ø mm	11.6 ± 0.6	12.0 ± 0.6	12.7 ± 0.6	13.4 ± 0.7	14.4 ± 0.7	16.1 ± 0.8
INDICATIVE WEIGHT kg/km	247	277	316	356	407	496

PRODUZIONE CAVI ELETTRICI SPECIALI

Località al Cerro n.76 – 55012 CAPANNORI (Lucca) – Tel. (0583) 935741/936362 – Fax ric. aut. 0583 429474
 Mod AQ 003/ P03

Certificato di Conformità



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DIMENSIONAL CHARACTERISTIC

FORMATION	2x2,5	3x2,5	4x2,5	5x2,5	6x2,5	7x2,5
OUTER Ø mm	7.6 ± 0.4	8.1 ± 0.4	8.9 ± 0.4	10.0 ± 0.5	11.1 ± 0.6	11.1 ± 0.6
INDICATIVE WEIGHT kg/km	101	126	158	199	243	258

FORMATION	4x4	4x6	4x10
OUTER Ø mm	11.0 ± 0.6	13.0 ± 0.7	16.7 ± 0.8
INDICATIVE WEIGHT kg/km	250	359	596

ELETTRIC CHARACTERISTIC

Sec. Conductor (mm ²)	Max. conductor resistance 20° C (Ω/Km)	Min. insulation resistance at 20 °C (MΩ×Km)	Test voltage (V a.c. 50 Hz)		Operating voltage (V)	Temperature rating (°C)
			Cond.Cond.	Cond./Shield		
0,50	39,0	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
0,75	26,0	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
1	19,5	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
1,5	13,3	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
2,5	7,98	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
4	4,95	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
6	3,30	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70
10	1,91	>200	2000 x 5 min.	1500 x 1 min.	300/500	-10 / + 70

NORMATIVE REFERENCE

- Conductor: CEI 20-29, IEC 60228
- Insulation and sheath: CEI 20-11
- No flame propagation: CEI 20-35, IEC 60332.1
- No fire propagation: CEI 20-22 II, IEC 60332.3C
- Controlled discharge of corrosive gas in case of fire : CEI 20-37, IEC 60754
- Compound without lead (Pb-free) : CEI 20-52

Capannori, 06/05/09

Laboratory manager
Giovanni Battista Checchi

FOR CUSTOMER ACCEPTANCE
DATE SIGN

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