



SALCAVI
INDUSTRIE

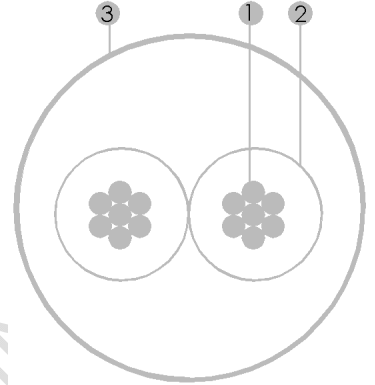
TECHNICAL DATA SHEET



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FR5FOEM7-AD8 OIL AND WATER RESISTANT - 40 ÷ 105°C



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Cavo di alimentazione e controllo studiato per cablaggi di faretti, lampade LED e sensori all'interno di piscine, acquari e fontane, ma non idoneo per acqua potabile. Grazie alla resistenza agli oli, alla fiamma e l'idoneità all'uso esterno trova anche largo impiego come cavo di controllo nel settore industriale.

Control and signal cable developed for wiring and interconnection of LED spot lights, lamps and sensors in aquariums, fountains and swimming pools but it's not suitable for drinkable water immersion. Thanks to its flame and oil-resistance and its suitability for outdoor laying, it's widely used as control cable in many industrial applications.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile di rame elettrolitico stagnato.
Flexible electrolytic tinned copper conductor.
2. Isolamento FEP R5F con elevata resistenza al calore.
R5F FEP insulation with high heat resistance.
3. Guaina in speciale gomma EM7, idonea per immersione permanente in acqua e contatto con gli oli industriali.
Special rubber EM7 outer sheath, suitable for permanent water immersion and for contact with industrial oils.

Temperatura utilizzo
Temperature range



- 40 ÷ 105 °C
- 40 ÷ 180 °C
(only on inner cores)

Tensione di esercizio
Rated voltage



450/750 V_{ac}

Tensione di prova
Test voltage



2500 V_{ac}

Resistenza alla fiamma
Flame resistance



IEC 60332-1-2

Idoneo per immersione in acqua
Suitable for water immersion



Regulation NFC 15-100
(par. 321.4-AD8).
Standard EN 50525-2-21.

Raggio di curvatura
Bending radius



≥ 8 x D
(@ fixed installation)

Idoneo per posa esterna
Suitable for outdoor use



Idoneo per posa fissa
Suitable for fixed installation



Resistenza agli oli
Oil resistance



EN 50363-2-1

Esente da zolfo
Sulphure free



Revision Date
01/10/2019

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4.0

Approved by
UTC

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Sezione <i>Size conductor</i> [mm ²]	Formazione conduttore <i>Conductor stranding</i> [N° x mm]	Resistenza elettrica <i>Electrical resistance</i> [Ω/Km]	Diametro su isolamento <i>Diameter on insulation</i> [mm]	Spessore di isolamento <i>Radial thickness of insulation</i> [mm]
0.25	19 x 0.127	≤ 86.0	1.05 ± 0.05	≥ 0.20
0.35	7 x 0.254	≤ 46.0	1.20 ± 0.05	≥ 0.20
0.50	19 x 0.180	≤ 40.1	1.35 ± 0.05	≥ 0.20
0.75	19 x 0.223	≤ 26.7	1.55 ± 0.05	≥ 0.20
1	19 x 0.254	≤ 20.0	1.70 ± 0.05	≥ 0.20
1.5	19 x 0.320	≤ 13.7	2.10 ± 0.05	≥ 0.25
2.5	19 x 0.410	≤ 8.21	2.55 ± 0.05	≥ 0.25
4	52 x 0.300	≤ 5.09	3.1 ± 0.1	≥ 0.30

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
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2 x 0.25	(4.3 ± 0.2)	≥ 1.1
2 x 0.35	(4.6 ± 0.2)	≥ 1.1
2 x 0.50	(5.3 ± 0.2)	≥ 1.2
2 x 0.75	(5.5 ± 0.2)	≥ 1.2
2 x 1	(5.9 ± 0.2)	≥ 1.2
2 x 1.5	(6.8 ± 0.2)	≥ 1.3
2 x 2.5	(7.7 ± 0.2)	≥ 1.3
2 x 4	(8.9 ± 0.2)	≥ 1.3

Sezione <i>Size conductor</i> [mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm]
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4 x 0.25	(4.8 ± 0.2)	≥ 1.1
4 x 0.35	(5.1 ± 0.2)	≥ 1.1
4 x 0.50	(5.7 ± 0.2)	≥ 1.2
4 x 0.75	(6.2 ± 0.2)	≥ 1.2
4 x 1	(6.5 ± 0.2)	≥ 1.2
4 x 1.5	(7.7 ± 0.2)	≥ 1.3
4 x 2.5	(8.8 ± 0.2)	≥ 1.3
4 x 4	(10.1 ± 0.2)	≥ 1.3

3 x 0.25	(4.5 ± 0.2)	≥ 1.1
3 x 0.35	(4.8 ± 0.2)	≥ 1.1
3 x 0.50	(5.5 ± 0.2)	≥ 1.2
3 x 0.75	(5.8 ± 0.2)	≥ 1.2
3 x 1	(6.1 ± 0.2)	≥ 1.2
3 x 1.5	(7.2 ± 0.2)	≥ 1.3
3 x 2.5	(8.1 ± 0.2)	≥ 1.3
3 x 4	(9.3 ± 0.2)	≥ 1.3

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