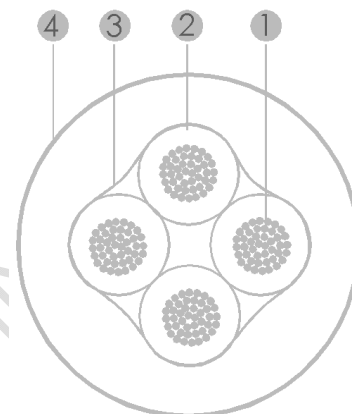


Rubber Flexible Cord SOOW

OIL & WATER RESISTANT - FOR OUTDOOR AND EXTRA HARD USAGE



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

I cavi in gomma SOOW sono robusti, resistenti e largamente utilizzati in molti settori industriali, edili e ovunque si richiedano cavi affidabili. Resistono agli oli, all'acqua, all'ozono, all'invecchiamento e all'abrasione e sono progettati per utilizzi estremamente gravosi su apparecchiature industriali, utensili pesanti, carica batterie, luci portatili e prolunghe di alimentazione. Sono inoltre consigliati per applicazioni minerarie, apparecchiature di controllo in impianti industriali, acciaierie, impianti di processo e cantieri, macchine e utensili elettrici, gru e alimentazione in banchina o dove è richiesta l'immersione in acqua.

SOOW rubber cords are robust, tough and widely used in a number of industrial and construction area and everywhere long life cables are required. They resist oils, water, ozone, aging, and abrasion and are designed for extra hard usage on industrial equipment, heavy tools, battery chargers, portable lights, power extensions. They are also recommended for mining applications, control systems in industrial plants, steel mills, process facilities and construction sites, machine and power tools, cranes and dockside power applications or where water immersion is required.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso
Electrolytic bare flexible copper conductor
2. Isolamento in gomma elastomerica EPDM resistente agli oli
Oil-resistant EPDM elastomeric rubber insulation
3. Nastro separatore
Separator tape
4. Guaina in gomma elastomerica CPE resistente agli oli e all'acqua
Oil and water resistant CPE elastomeric rubber outer sheath

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Temperatura utilizzo <i>Temperature range</i>		- 40 ÷ 90 °C (@ fixed and dry installation) - 40 ÷ 60 °C (@ fixed and wet installations or oil contact) - 20 ÷ 90 °C (for dynamic applications)	Resistenza alla fiamma <i>Flame resistance</i>		FT2
Tensione di esercizio <i>Rated voltage</i>		600 V _{AC}	Raggio di curvatura <i>Bending radius</i>		≥ 8 x D (@ fixed installation, 20°C) ≥ 10 x D (for dynamic applications, 20°C)
Tensione di prova <i>Test voltage</i>		6000 V _{AC}	Idoneo per posa mobile <i>Suitable for mobile installation</i>		
Idoneo per uso esterno <i>Suitable for outdoor use</i>		UL 62 and CSA C22.2 No. 49, Clause 5.1.6 UL 2556 and CSA C22.2 No. 2556, Clause 7.5	Resistenza agli oli <i>Oil resistance</i>		UL 62 and CSA C22.2 No. 49 Clauses 5.1.1, 5.1.2 ; UL 2556 and CSA C22.2 No. 2556, Clause 4.2
Resistenza agli agenti atmosferici <i>Weather resistance</i>		UL 62 and CSA C22.2 No. 49, Clauses 5.1.1, 5.1.2, 5.1.7 UL 2556 and CSA C22.2 No. 2556, Clause 4.2	Resistenza all'acqua <i>Water resistance</i>		UL 62 and CSA C22.2 No. 49, Clauses 5.2.4.1 and 5.2.4.2 UL 2556 and CSA C22.2 No. 2556 clauses 6.5, 6.6

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Sezione Size conductor	Formazione conduttore Conductor stranding [N° x mm]	Resistenza elettrica Electrical resistance [Ω/Km]	Diametro su isolamento Diameter on insulation [mm]	Spessore di isolamento Radial thickness of insulation [mm / mils]
AWG 18	28 x 0.193	≤ 22.4	2.8 ± 0.1	≥ 0.76 / 30
AWG 16	44 x 0.193	≤ 14.1	3.1 ± 0.1	≥ 0.76 / 30
AWG 14	72 x 0.193	≤ 8.88	4.5 ± 0.1	≥ 1.14 / 45
AWG 12	74 x 0.243	≤ 5.58	5.1 ± 0.2	≥ 1.14 / 45
AWG 10	106 x 0.254	≤ 3.51	5.6 ± 0.2	≥ 1.14 / 45

Sezione Size conductor	Diametro esterno Outer diameter [mm]	Spessore guaina Thickness of jacket [mm / mils]
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2 x AWG 18	8.9 ± 0.2	≥ 1.52 / 60
3 x AWG 18	9.3 ± 0.2	≥ 1.52 / 60
4 x AWG 18	9.9 ± 0.3	≥ 1.52 / 60
5 x AWG 18	11.8 ± 0.3	≥ 2.03 / 80

2 x AWG 16	9.5 ± 0.3	≥ 1.52 / 60
3 x AWG 16	10.2 ± 0.3	≥ 1.52 / 60
4 x AWG 16	10.7 ± 0.3	≥ 1.52 / 60
5 x AWG 16	12.8 ± 0.3	≥ 2.03 / 80

2 x AWG 14	13.1 ± 0.3	≥ 2.03 / 80
3 x AWG 14	13.7 ± 0.3	≥ 2.03 / 80
4 x AWG 14	14.8 ± 0.4	≥ 2.03 / 80
5 x AWG 14	17.1 ± 0.4	≥ 2.41 / 95

Sezione Size conductor	Diametro esterno Outer diameter [mm]	Spessore guaina Thickness of jacket [mm]
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2 x AWG 12	14.7 ± 0.4	≥ 2.41 / 95
3 x AWG 12	15.6 ± 0.4	≥ 2.41 / 95
4 x AWG 12	16.9 ± 0.4	≥ 2.41 / 95
5 x AWG 12	18.6 ± 0.4	≥ 2.41 / 95

2 x AWG 10	16.2 ± 0.4	≥ 2.41 / 95
3 x AWG 10	17.2 ± 0.4	≥ 2.41 / 95
4 x AWG 10	18.5 ± 0.4	≥ 2.41 / 95
5 x AWG 10	20.2 ± 0.4	≥ 2.41 / 95

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Riferimento normativo <i>Standard reference</i>	UL 62, UL 1581, C22.2 No. 49 UL file No. E212322
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in rame elettrolitico rosso, conforme alle norme UL 62, UL 1581. <i>Electrolytic flexible bare copper conductor conforming to UL 62 and UL 1581 requirements.</i>
Isolamento <i>Insulation</i>	Gomma elastomerica EPDM conforme alla classe 3 della Tabella 8 della norma UL 62 e resistente al contatto con oli sino a 60°C. <i>EPDM elastomeric rubber conforming to Class 3 of Table 8 of standard UL 62 and resistant to oil contact up to 60°C.</i>
Colore isolamento <i>Color of insulation</i>	Schema <u>suggerito</u> : conforme all'allegato B della norma UL 62. <i><u>Suggested color scheme</u> : accordingly to Annex B of UL 62 standard</i>
Riunitura <i>Cable assembly</i>	Le anime sono riunite insieme secondo i passi specificati dalla Tabella 10 della norma UL 62, se necessario con filato in poliestere, e poi avvolte con un nastro separatore. <i>The inner cores are twisted together with length of lay conforming to Table 10 of UL 62 standard, wherever it is necessary together with a polyester filler, and wrapped with a separator tape.</i>
Guaina esterna <i>Outer sheath</i>	Gomma elastomerica CPE conforme alla classe 1.4 della Tabella 11 della norma UL 62 e resistente all'acqua e agli oli sino a 60°C. <i>CPE elastomeric rubber conforming to Class 1.4 of Table 11 of standard UL 62 and resistant to oil contact up to 60°C.</i>
Colore guaina <i>Color of sheath</i>	Nero <i>Black</i>
Marcatura ad inchiostro <i>Ink printing</i>	SALCAVI TECHNIC SPA ITALY SOOW No. conduttori X sezione AWG 90°C 600V FT2 (UL) c(UL) E212322 -40°C WATER RESISTANT 60°C OIL RESISTANT 60°C MM/AA SALCAVI TECHNIC SPA ITALY SOOW No. of conductors X AWG size 90°C 600V FT2 (UL) c(UL) E212322 -40°C WATER RESISTANT 60°C OIL RESISTANT 60°C MM/YY