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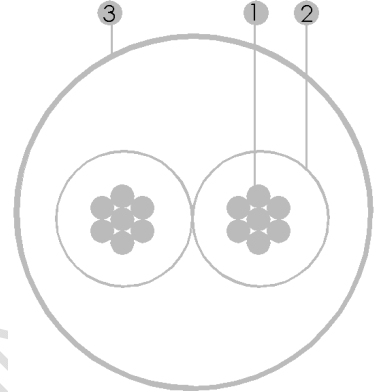
TECHNICAL DATA SHEET



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Cavi trasparenti UL + CSA + CE Style 2103 I A UL + CSA + CE approved transparent cables Style 2103 I A



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Cavo flessibile trasparente 105°C omologato UL, CSA e CE, idoneo per cablaggio di apparecchiature elettroniche e dispositivi per il settore illuminazione

Transparent 105°C rated UL, CSA and CE approved PVC jacketed and insulated cable that is intended for wiring of electronic equipment and lighting appliances.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile a corda concentrica in rame elettrolitico stagnato.
Flexible concentric electrolytic tinned copper conductor
2. Isolamento in PVC o FEP trasparente con elevata resistenza al calore
Transparent PVC or FEP insulation with high heat resistance
3. Guaina in speciale PVC trasparente con elevata resistenza al calore
Special transparent PVC outer sheath with high heat resistance

Temperatura utilizzo
Temperature range



- 20 ÷ 105 °C
(@ fixed installation)
- 20 ÷ 150 °C
(on FEP inner cores)

Tensione di esercizio
Rated voltage



300 V_{ac}

Tensione di prova
Test voltage



3000 V_{ac}

Resistenza alla fiamma
Flame resistance



VW-1 / FT1

Idoneo per posa fissa
Suitable for fixed installation



Raggio di curvatura
Bending radius



≥ 10 x D
(at fixed installation)

Idoneo per posa interna
Suitable for indoor use



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PVC/PVC version Style 2103/1569

Sezione <i>Size conductor</i> [AWG / 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 / mils]
AWG 21 / 0.50	19 x 0.180	≤ 40.1	1.85 ± 0.1	≥ 0.38 / 15
AWG 19 / 0.75	19 x 0.224	≤ 26.7	1.90 ± 0.1	≥ 0.38 / 15
AWG 18 / 1	19 x 0.254	≤ 20.0	2.2 ± 0.1	≥ 0.38 / 15
AWG 16 / 1.5	19 x 0.320	≤ 13.7	2.7 ± 0.1	≥ 0.38 / 15

Sezione <i>Size conductor</i> [AWG / mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]
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2 x AWG 21	(3.1 x 5.0) ± 0.2	
2 x AWG 21	(4.9 ± 0.2)	
3 x AWG 21	(5.1 ± 0.2)	≥ 0.38 / 15
4 x AWG 21	(5.8 ± 0.2)	
5 x AWG 21	(6.4 ± 0.2)	

2 x AWG 19	(3.3 x 5.5) ± 0.2	
2 x AWG 19	(5.5 ± 0.2)	
3 x AWG 19	(5.5 ± 0.2)	≥ 0.38 / 15
4 x AWG 19	(6.2 ± 0.2)	
5 x AWG 19	(7.1 ± 0.2)	

Sezione <i>Size conductor</i> [AWG / mm ²]	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]
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2 x AWG 18	(5.7 ± 0.2)	
3 x AWG 18	(6.0 ± 0.2)	
4 x AWG 18	(7.2 ± 0.2)	≥ 0.38 / 15
5 x AWG 18	(7.8 ± 0.2)	
6 x AWG 18	(8.4 ± 0.2)	

2 x AWG 16	(7.3 ± 0.2)	
3 x AWG 16	(7.9 ± 0.2)	
4 x AWG 16	(8.6 ± 0.2)	≥ 0.38 / 15
5 x AWG 16	(9.4 ± 0.2)	
6 x AWG 16	(10.0 ± 0.2)	

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FEP/PVC version Style 2103/10617

Sezione <i>Size conductor</i>	Formazione conduttore <i>Conductor stranding</i>	Resistenza elettrica <i>Electrical resistance</i>	Diametro su isolamento <i>Diameter on insulation</i>	Spessore di isolamento <i>Radial thickness of insulation</i>
	[N° x mm]	[Ω/Km]	[mm]	[mm / mils]
AWG22	7 x 0.254	≤ 55.4	1.15 ± 0.05	≥ 0.20 / 8
AWG21	19 x 0.180	≤ 43.6	1.30 ± 0.05	≥ 0.20 / 8
AWG20	19 x 0.203	≤ 34.6	1.40 ± 0.05	≥ 0.20 / 8
AWG19	19 x 0.224	≤ 27.4	1.55 ± 0.05	≥ 0.20 / 8
AWG18	19 x 0.254	≤ 21.8	1.65 ± 0.1	≥ 0.20 / 8
AWG16	19 x 0.300	≤ 13.7	1.95 ± 0.1	≥ 0.20 / 8
AWG14	19 x 0.375	≤ 8.96	2.35 ± 0.1	≥ 0.20 / 8

Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i>	Spessore guaina <i>Thickness of jacket</i>
[AWG]	[mm]	[mm / mils]

2 x AWG22	(2.45 x 3.6) ± 0.2	
2 x AWG22	(3.6 ± 0.2)	
3 x AWG22	(3.8 ± 0.2)	≥ 0.38 / 15
4 x AWG22	(4.1 ± 0.2)	
5 x AWG22	(4.4 ± 0.2)	

2 x AWG21	(2.6 x 3.9) ± 0.2	
2 x AWG 21	(3.9 ± 0.2)	
3 x AWG 21	(4.1 ± 0.2)	≥ 0.38 / 15
4 x AWG 21	(4.5 ± 0.2)	
5 x AWG 21	(4.8 ± 0.2)	

2 x AWG20	(2.7 x 4.1) ± 0.2	
2 x AWG20	(4.1 ± 0.2)	
3 x AWG20	(4.4 ± 0.2)	≥ 0.38 / 15
4 x AWG20	(4.7 ± 0.2)	
5 x AWG20	(5.1 ± 0.2)	

2 x AWG19	(4.4 ± 0.2)	
3 x AWG19	(4.7 ± 0.2)	
4 x AWG19	(5.1 ± 0.2)	≥ 0.38 / 15
5 x AWG19	(5.5 ± 0.2)	

Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i>	Spessore guaina <i>Thickness of jacket</i>
[AWG]	[mm]	[mm / mils]

2 x AWG18	(4.6 ± 0.2)	
3 x AWG18	(4.9 ± 0.2)	
4 x AWG18	(5.3 ± 0.2)	≥ 0.38 / 15
5 x AWG18	(5.8 ± 0.2)	

2 x AWG16	(5.2 ± 0.2)	
3 x AWG16	(5.5 ± 0.2)	
4 x AWG16	(6.0 ± 0.2)	≥ 0.38 / 15
5 x AWG16	(6.6 ± 0.2)	

2 x AWG14	(6.0 ± 0.2)	
3 x AWG14	(6.4 ± 0.2)	
4 x AWG14	(7.0 ± 0.2)	≥ 0.38 / 15
5 x AWG14	(7.7 ± 0.2)	

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Riferimento normativo <i>Standard reference</i>	UL 758, UL 1581, C22.2 No. 210.2-M90. UL file No. E132504, CSA file No. LL 90483
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile a corda concentrica in rame elettrolitico stagnato, conforme alla norma UL 758, UL 1581 <i>Flexible electrolytic tinned copper conductor, complying with UL 758, UL 1581 requirements</i>
Isolamento <i>Insulation</i>	Speciale PVC con elevata resistenza al calore conforme alla Tabella 50.182 della norma UL 1581 oppure FEP conforme alla Tabella 50.70 della norma UL 1581 <i>Special PVC with high heat resistance complies with Table 50.182 of standard UL 1581 or FEP complies with Table 50.70 of standard UL 1581.</i>
Colore isolamento <i>Color of insulation</i>	Trasparente, e su richiesta con filo colorato di polarizzazione <i>Transparent, and on request with colored thread for polarization</i>
Guaina esterna <i>Outer sheath</i>	Speciale PVC trasparente con elevata resistenza al calore, conforme alla Tabella 50.182 della norma UL 1581 <i>Special transparent PVC with high heat resistance complies with Table 50.182 of standard UL 1581</i>
Colore guaina <i>Color of sheath</i>	Trasparente <i>Transparent</i>
Marcatura a inchiostro <i>Ink-printing</i>	SALCAVI TECHNIC SPA ITALY - UR AWM STYLE 2103 1 A 105°C 300 V VW-1 SEZIONE IN AWG e x No. CONDUTTORI CSA 1 A 105°C 300V FT1 - MESE/ANNO <i>SALCAVI TECHNIC SPA ITALY - UR AWM STYLE 2103 1 A 105°C 300 V VW-1 SEZIONE IN AWG e x No. CONDUTTORI CSA 1 A 105°C 300V FT1 - MONTH/YEAR</i>

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