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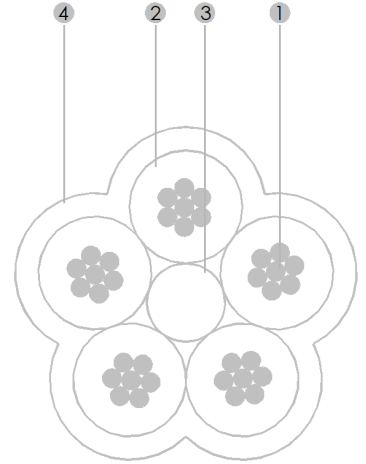
TECHNICAL DATA SHEET



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Cavo AWM Style 21642/10516 I/II A/B AWM cable Style 21642/10516 I/II A/B



SCHEMATIC DRAWINGS



APPLICAZIONI APPLICATIONS

Cavo multipolare isolato in FEP, idoneo per cablaggi esterni di apparecchiature elettroniche. Adatto anche per immersione in benzina, contatto con vapori di benzina e contatto con oli industriali sino a 80°C.

Multicore FEP insulated cable suitable for external wiring of electronic equipment. In addition, it's also suitable for immersion in gasoline, contact with gasoline vapor and contact with industrial oils up to 80°C.

COSTRUZIONE

CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico argentato o nichelato
Electrolytic silver or nickel plated flexible copper conductor
2. Isolamento in FEP con elevata resistenza al calore, oli industriali e benzina
FEP insulation with high heat, industrial oils and gasoline resistance
3. Riempitivo in fibra di vetro
Glass fiber filler
4. Guaina in FEP con elevata resistenza al calore, oli industriali e benzina
FEP jacket with high heat, industrial oils and gasoline resistance

Temperatura utilizzo
Temperature range



- 90 ÷ 200 °C
[@ fixed installation]

Tensione di esercizio
Rated voltage



600 V_{ac}

Tensione di prova
Test voltage



6000 V_{ac}

Resistenza alla fiamma
Flame resistance



VW-1 / FT1

Resistenza al fuoco
Fire spread



IEC 60332-3-24 Cat. C

Raggio di curvatura
Bending radius



≥ 15 x D
[@ fixed installation]

Idoneo per posa interna
Suitable for indoor use



Idoneo per posa fissa
Suitable for fixed installation



Resistenza agli oli
Oil resistance



Up to 80°C
Table 15.1 of UL 758

Resistenza alla benzina
Gasoline resistance



Par. 16 of UL 758

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Sezione <i>Size conductor</i>	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 30	7 x 0.100	≤ 381	0.70 ± 0.05	≥ 0.20 / 8
AWG 28	7 x 0.127	≤ 239	0.80 ± 0.05	≥ 0.20 / 8
AWG 26	19 x 0.100	≤ 150	0.90 ± 0.05	≥ 0.20 / 8
AWG 24	7 x 0.203 19 x 0.127	≤ 94.2	1.00 ± 0.05 1.05 ± 0.05	≥ 0.20 / 8
AWG 22	7 x 0.254 19 x 0.160	≤ 59.4	1.15 ± 0.05 1.20 ± 0.05	≥ 0.20 / 8
AWG 21	19 x 0.180	≤ 46.9	1.30 ± 0.05	≥ 0.20 / 8
AWG 20	19 x 0.203	≤ 36.7	1.40 ± 0.05	≥ 0.20 / 8
AWG 19	19 x 0.224	≤ 29.1	1.55 ± 0.05	≥ 0.20 / 8
AWG 18	19 x 0.254	≤ 23.2	1.75 ± 0.05	≥ 0.20 / 8
AWG 16	19 x 0.300	≤ 14.6	1.95 ± 0.05	≥ 0.20 / 8
AWG 14	19 x 0.375	≤ 8.96	2.35 ± 0.1	≥ 0.20 / 8
AWG 12	46 x 0.300	≤ 5.64	3.3 ± 0.1	≥ 0.20 / 8
AWG 10	74 x 0.300	≤ 3.546	3.5 ± 0.1	≥ 0.20 / 8

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Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]
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2 x AWG 30	1.9 ± 0.2	≥ 0.20 / 8
3 x AWG 30	2.0 ± 0.2	
4 x AWG 30	2.2 ± 0.2	
5 x AWG 30	2.4 ± 0.2	
6 x AWG 30	2.6 ± 0.2	
8 x AWG 30	2.9 ± 0.2	

2 x AWG 28	2.1 ± 0.2	≥ 0.20 / 8
3 x AWG 28	2.25 ± 0.2	
4 x AWG 28	2.5 ± 0.2	
5 x AWG 28	2.7 ± 0.2	
6 x AWG 28	2.9 ± 0.2	
8 x AWG 28	3.2 ± 0.2	

2 x AWG 26	2.3 ± 0.2	≥ 0.20 / 8
3 x AWG 26	2.45 ± 0.2	
4 x AWG 26	2.7 ± 0.2	
5 x AWG 26	3.0 ± 0.2	
6 x AWG 26	3.2 ± 0.2	
8 x AWG 26	3.55 ± 0.2	

2 x AWG 24	2.6 ± 0.2	≥ 0.20 / 8
3 x AWG 24	2.8 ± 0.2	
4 x AWG 24	3.05 ± 0.2	
5 x AWG 24	3.4 ± 0.2	
6 x AWG 24	3.65 ± 0.2	
8 x AWG 24	4.1 ± 0.2	

Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]
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2 x AWG 22	2.9 ± 0.2	≥ 0.20 / 8
3 x AWG 22	3.1 ± 0.2	
4 x AWG 22	3.4 ± 0.2	
5 x AWG 22	3.75 ± 0.2	
6 x AWG 22	4.1 ± 0.2	
8 x AWG 22	4.55 ± 0.2	

2 x AWG 21	3.1 ± 0.2	≥ 0.20 / 8
3 x AWG 21	3.3 ± 0.2	
4 x AWG 21	3.65 ± 0.2	
5 x AWG 21	4.0 ± 0.2	
6 x AWG 21	4.4 ± 0.2	
8 x AWG 21	4.9 ± 0.2	

2 x AWG 20	3.3 ± 0.2	≥ 0.20 / 8
3 x AWG 20	3.55 ± 0.2	
4 x AWG 20	3.9 ± 0.2	
5 x AWG 20	4.3 ± 0.2	
6 x AWG 20	4.7 ± 0.2	
8 x AWG 20	5.25 ± 0.2	

2 x AWG 19	3.6 ± 0.2	≥ 0.20 / 8
3 x AWG 19	3.85 ± 0.2	
4 x AWG 19	4.25 ± 0.2	
5 x AWG 19	4.7 ± 0.2	
6 x AWG 19	5.15 ± 0.2	
8 x AWG 19	5.75 ± 0.2	

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Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]	
2 x AWG 18	4.0 ± 0.2	≥ 0.20 / 8	
3 x AWG 18	4.4 ± 0.2		
4 x AWG 18	4.8 ± 0.2		
5 x AWG 18	5.3 ± 0.2		
6 x AWG 18	5.8 ± 0.2		
8 x AWG 18	6.5 ± 0.2		
2 x AWG 16	4.4 ± 0.2		≥ 0.20 / 8
3 x AWG 16	4.8 ± 0.2		
4 x AWG 16	5.3 ± 0.2		
5 x AWG 16	5.9 ± 0.2		
6 x AWG 16	6.5 ± 0.2		
8 x AWG 16	7.3 ± 0.2		
2 x AWG 14	5.3 ± 0.2	≥ 0.20 / 8	
3 x AWG 14	5.7 ± 0.2		
4 x AWG 14	6.3 ± 0.2		
5 x AWG 14	7.05 ± 0.2		
6 x AWG 14	7.8 ± 0.2		
8 x AWG 14	8.6 ± 0.2		

Sezione <i>Size conductor</i>	Diametro esterno <i>Outer diameter</i> [mm]	Spessore guaina <i>Thickness of jacket</i> [mm / mils]	
2 x AWG 12	7.3 ± 0.2	≥ 0.25 / 10	
3 x AWG 12	7.85 ± 0.2		
4 x AWG 12	8.7 ± 0.2		
5 x AWG 12	9.8 ± 0.3		
6 x AWG 12	10.8 ± 0.3		
8 x AWG 12	12.1 ± 0.3		
2 x AWG10	7.7 ± 0.2		≥ 0.25 / 10
3 x AWG10	8.3 ± 0.2		
4 x AWG10	9.2 ± 0.3		
5 x AWG10	10.4 ± 0.3		
6 x AWG10	11.4 ± 0.3		
8 x AWG10	12.7 ± 0.3		

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Riferimento normativo <i>Standard reference</i>	UL 758, UL 1581, C22.2 No. 210 UL file No. E132504
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in rame elettrolitico argentato o nichelato, conforme alle norme UL 758, UL 1581 <i>Electrolytic silver or nickel-plated flexible copper conductor, conforming to UL 758 and UL 1581 standards</i>
Isolamento <i>Insulation</i>	Fluoro Etilene Propilene (FEP) con elevata resistenza al calore, agli oli industriali e alla benzina conforme alla Tabella 50.73 della norma UL 1581 <i>Fluoro Ethylene Propylene (FEP) with high heat, industrial oils and gasoline resistance conforming to Table 50.73 of standard UL 1581</i>
Colore isolamento <i>Color of insulation</i>	Su richiesta del cliente <i>On customer's request</i>
Riunitura <i>Cable assembly</i>	Le anime sono riunite insieme, se necessario, attorno ad un riempitivo centrale in fibra di vetro <i>The inner primaries are twisted together, if it will be necessary, around a central glass fiber filler</i>
Guaina <i>Outer sheath</i>	Fluoro Etilene Propilene (FEP) con elevata resistenza al calore, agli oli industriali e alla benzina conforme alla Tabella 50.73 della norma UL 1581 <i>Fluoro Ethylene Propylene (FEP) with high heat, industrial oils and gasoline resistance conforming to Table 50.73 of standard UL 1581</i>
Colore guaina <i>Color of outer sheath</i>	Su richiesta del cliente <i>On customer's request</i>
Marcatura a getto di inchiostro <i>Ink-jet printing</i>	SALCAVI TECHNIC SPA ITALY UR AWM VW-1 STYLE 21642 SEZIONE IN AWG X No. CONDUTTORI 200°C 600V cUR II A/B 200°C 600V FT1 - MESE/ANNO <i>SALCAVI TECHNIC SPA ITALY UR AWM VW-1 STYLE 21642 SEZIONE IN AWG X No. CONDUTTORI 200°C 600V cUR II A/B 200°C 600V FT1 - MONTH/YEAR</i>

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