

AWM Style 1007 - 1569

Appliance Wiring Material

Single core flexible cable with tinned copper conductor and thermoplastic insulation. UL Style 1007/1569. cUL Class I, Group A, B, A/B.



Technical data

Nominal voltage	300 Vac
Applications/Usage conditions	Internal wiring of appliances or electronic equipment where not subjected to movement or mechanical damage.
Conductor	Flexible tinned copper
Insulation type	Thermoplastic
Sheath colour	On demand
Operating temperatures	80° C 105° C
Test voltage	3000 V
Cable markings	ELETTRO BRESCIA RU AWM 1007 xAWG 80C 300V - AWM 1569 xAWG 105C 300V E487521 CRU AWM I A/B 105C 300V FT1 VW-1

Standard references

Main standard	UL 758, CSA C22.2 No. 210
Self-Extinguishing	FT1, FT2, VW-1

Dimensions

Cross section (Nxmm ²)	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter ± 0,1 (mm)	Sheath thickness (mm)	Medium outer diameter ± 0,1 (mm)	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1xAWG24	0,150	0,60	0,38	N/A	N/A	1,40	84,4320	N/A	1,97
1xAWG23	0,150	0,67	0,38	N/A	N/A	1,45	67,5460	N/A	2,44
1xAWG22	0,210	0,77	0,38	N/A	N/A	1,55	51,0760	N/A	3,05
1xAWG21	0,210	0,86	0,38	N/A	N/A	1,65	40,8610	N/A	3,88
1xAWG20	0,210	0,94	0,38	N/A	N/A	1,75	34,0510	N/A	4,89
1xAWG19	0,210	1,06	0,38	N/A	N/A	1,85	26,6480	N/A	6,15
1xAWG18	0,210	1,17	0,38	N/A	N/A	1,95	21,8900	N/A	7,75
1xAWG17	0,210	1,34	0,38	N/A	N/A	2,15	16,7870	N/A	9,79
1xAWG16	0,260	1,49	0,38	N/A	N/A	2,30	13,5290	N/A	12,29

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.