

AWM Style 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 tension	300 Vac
Conditions of employment	Internal wiring of appliances or electronic equipment where not subjected to movement or mechanical damage.
Type of electrical conductor	Flexible tinned copper
Type of insulation	Thermoplastic
Color of the outer sheath	On demand
Operating temperature	+105° C
Test voltage	3000 V
Cable marking	ELETTRO BRESCIA RU AWM 1569 xAWG 105C 300V E487521 CRU AWM I A/B 105C 300V FT1 VW-1

REFERENCES STANDARDS

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

DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter \pm 0,1	Minimum average external diameter	Medium outer diameter \pm 0,1	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
1xAWG12	0,26	2,37	0,38	N/A	N/A	3,15	5,3700	N/A	31,1040
1xAWG13	0,26	2,11	0,38	N/A	N/A	2,90	6,7600	N/A	24,7680
1xAWG14	0,26	1,90	0,38	N/A	N/A	3,00	8,3000	N/A	19,5840
1xAWG15	0,26	1,67	0,38	N/A	N/A	2,45	10,7400	N/A	15,5520
1xAWG16	0,26	1,49	0,38	N/A	N/A	2,30	13,5200	N/A	12,2880
1xAWG17	0,21	1,34	0,38	N/A	N/A	2,15	16,7800	N/A	9,7920
1xAWG18	0,21	1,17	0,38	N/A	N/A	1,95	21,8900	N/A	7,6800
1xAWG19	0,21	1,06	0,38	N/A	N/A	1,85	26,6400	N/A	6,1440
1xAWG20	0,21	0,94	0,38	N/A	N/A	1,75	34,0500	N/A	4,8000
1xAWG21	0,21	0,86	0,38	N/A	N/A	1,65	40,8600	N/A	3,8400
1xAWG22	0,21	0,76	0,38	N/A	N/A	1,55	51,0700	N/A	2,9760
1xAWG23	0,15	0,66	0,38	N/A	N/A	1,45	67,5400	N/A	2,4000
1xAWG24	0,15	0,59	0,38	N/A	N/A	1,40	84,4300	N/A	1,9200

CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

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