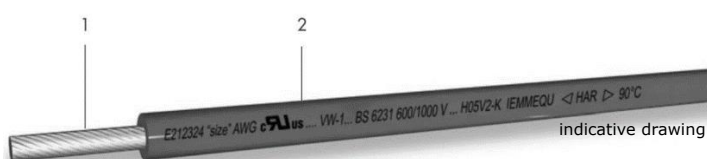
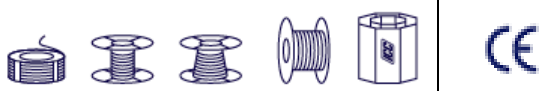


TRI-RATED Tinned Copper

Multi-Norm switchgear & control panel wires , Flexible single core PVC insulated electric cables

	1- Flexible tin-plated copper class 5 EN 60228 (also available in bare copper) 2- PVC TI3(UL, CSA, BS flame retardant)
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Standard	Approvals	Packaging
EN 50525-2-31 HD21.7 IEC 60228 IEC 60332-1-2 CPR UE 305/11	UL 758 CSA c.22.2 No. 210 BS 6231 Type CK UL VW-1; FT1 	

Marking
E212324 "size" AWG 600 V (logo cURus) AWM STYLE "UL STYLE" 105°C VW-1 AWM I A/B 105°C 600V "size" AWG FT1 - BS 6231 600/1000 V "size" mm² HEAT RESISTING 90°C - ICC "Type" IEMMEQU <HAR> 90°C Eca

CHARACTERISTICS
Applications: For indoor installation, fixed laying on bare walls or steel structures, in pipes or ducts, or in signal and control panels, switchgear etc. Flame retardant, according to IEC60332-1-2; UL VW-1 and CSA FT1, oil resistant up to 60°C according to UL and CSA standard
Insulation colors: Various on request
Operating temperature: -30°C ÷ +105°C (UL, CSA) -30°C ÷ +90°C or 105°C/15.000 hours (BS 6231) -30°C ÷ +90°C (EN50525-2-31)
Minimum installation temperature : +5°C (Acc.to HD 516)
Minimum bending radius: 6 x outer diam.
Rated voltage U ₀ /U: According to EN 50525-2-31: Sizes ≤1 mm ² 300/500 V ; Sizes ≥1.5 mm ² 450/750 V According to UL, CSA = 600 V r.m.s. According to BS 6231 = 600/1000 V r.m.s
Max. temperature in case of short circuit: 160° C on the conductor (max duration 5 seconds)

Style / TYPE	Size		Nominal conductor construction	Nominal Outer diameter	Insulation Thickness	Indicative weight	Max Coductor Resistance	Current rating *
num.	mm ²	AWG	# wires X Ø mm	mm	mils/mm	kg/km	Ohm/Km at 20°C	A
1015 / H05V2-K	0,5	21	14 X 0.2	2,5	30/0.76	12	40,1	14
	0,75	19	21 X 0.2	2,8		15	26,7	18
	1	18	28 X 0.2	2,9		18	20,0	22
1015 / H07V2-K	1,5	16	28 X 0.25	3,2		23	13,7	28
	2,5	14	47 X 0.25	3,6		34	8,21	37
	4	12	54 X 0.3	4,1		48	5,09	51
	6	10	80 X 0.3	4,7		67	3,39	65
1028 / H07V2-K	10	8	74 X 0.4	6,3	45/1.14	119	1,85	99
1283 / H07V2-K	16	6	115 X 0.4	8,0	60/1.52	187	1,24	125
	25	4	179 X 0.4	9,2		291	0,795	167
	35	2	268 X 0.4	10,9		406	0,565	208
1284 / -07V2-K	50	1	364 X 0.4	12,9	80/2.02	580	0,393	264
	70	2/0	360 X 0.5	15,0		780	0,277	338
	95	3/0	444 X 0.5	16,2		1055	0,210	397
	120	4/0	576 X 0.5	17,9		1175	0,164	470
	150	250 mcm	708 X 0.5	20,2	95/2.41	1425	0,132	539
	185	350 mcm	912 X 0.5	22,4		1735	0,108	617
	240	450 mcm	1142 X 0.5	24,3		2310	0,0817	743
	300	550 mcm	1464 X 0.5	27,1	110/2.79	2950	0,0654	856

* single cable in free air, operating temperature on the conductor 90°C and environment air temperature 30°C