

V90HT Appliance Wire

TINNED CONDUCTORS WITH 1000V RATING

#292



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Construction	Temperature Rating					Nominal Voltage		Test Voltage	
Flexible Class 5 fine wire stranding, PVC insulation, tinned copper conductor.	» -20 to 105					» 600/1000V		» 3000V	
Conductor	0.5mm ²	0.75mm ²	1mm ²	1.5mm ²	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²
Cable OD	2.55mm	2.75mm	2.95mm	3.25mm	3.7mm	4.3mm	4.9mm	6.5mm	8.4mm
Green / Yellow	3801000	3801010	3801020	3801030	3801040	3801050	3801060	3801070	
Black	3801001	3801011	3801021	3801031	3801041	3801051	3801061	3801071	3801081
Red	3801004	3801014	3801024	3801034	3801044	3801054	3801064	3801074	3801084
White	3801005	3801015	3801025	3801035	3801045	3801055	3801065	3801075	3801085
Blue	38010014	38010114	38010214	38010314	38010414	38010514	38010614	3801072	3801082
Brown	3801003	3801013	3801023	3801033	3801043	3801053	3801063		3801083
Grey	3801006	3801016	3801026	3801036	3801046	3801056			
Orange	3801009	3801019	3801029	3801039	3801049				
Violet	3801007	3801017	3801027	3801037	3801047				
Pink	3801008	3801018	3801028	3801038	3801048				
Yellow	38010011	38010111	38010211	38010311	38010411				

CURRENT RATINGS FOR V90HT APPLIANCE WIRE

Conductor cross-sectional area	Unenclosed						Enclosed		Single Phase Voltage Drop
	Spaced		Spaced from surface		Touching		Conduit in air		
mm ²	A	A	A	A	A	A	A	A	mV/A/m
1	18	18	18	15	14	14	14	12	54
1.5	23	22	23	19	18	18	14	15	34.6
2.5	33	32	32	28	25	25	18	22	18.9
4	44	42	43	36	34	34	24	29	11.7
6	56	54	54	46	44	44	33	37	7.9
10	76	74	74	64	59	59	42	52	4.7
16	101	98	98	85	79	79	58	68	2.9

These ratings are based on an ambient air temperature of 30° C, and an ambient soil temperature of 15° C at 0.5m depth.

Tube Lugs

FOR SINGLE CORE TERMINATION

#13



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Application	Features	Benefits	Temperature Rating
» Mainly for connection to rails and to copper connectors	» UL Listed » Slight taper to help when inserting fine stranded cables	» With inspection hole (starting from 4 mm ²) » High-quality electrolytic copper ensures a good crimping quality	» Temperature range up to +90°C » Working temperature: 110°C, max. +140°C

Conductor	Bolt Hole Size (mm)					
	4	5	6	8	10	12
4mm ²	61796570	61796580	61796590			
6mm ²	61796600	61796610	61796620	61796630		
10mm ²		61796640	61796650	61796660	61796670	
16mm ²		61796690	61796700	61796710	61796720	61796730
25mm ²			61796740	61796750	61796760	61796770
35mm ²			61796780	61796790	61796800	61796810
50mm ²			61796820	61796830	61796840	61796850
70mm ²				61796860	61796870	61796880
95mm ²				61796890	61796900	61796910
120mm ²					61796930	61796940
150mm ²						61796960
185mm ²						61796990

