


Austech Wire & Cable V90 HT 0.6/1KV

Flexible Cables

Single Core V90HT Cable 0.6/1KV PVC Insulation to AS3191

Application:	Wiring of Communication, Electronic Equipment and Switchboards
Conductor:	Tinned Conductor to AS1125
Insulation:	V90HT (V105⁰C PVC) to AS3191 UV Stabilized
Colors:	Red, Dk.Blue, Lt.Green/Yellow, White, Black, Brown, Violet, Orange, Grey and Pink
Pack Size:	100mt, 500mt and 1000mt
Voltage rating:	600-1000VAC or 780-1290VDC

Code	Nearest SAE, (B&S) (AWG)	Number of Strands x wire ϕ mm	Nom.Area mm ²	AMP rating *	Average Insulation Thickness mm	OFHC	Nominal O.D. mm	Mass Kg/100mt
						Max D.C. Resistance at 20° C m Ω /mt		
FHDT116020	20	16/0.20	0.50	3.00	0.80	40.10	2.55	1.1
FHDT124020	18 ¹ / ₂	24/0.20	0.75	7.50	0.80	26.70	2.75	1.4
FHDT132020	17 ¹ / ₂	32/0.20	1.00	10.00	0.80	20.00	2.95	1.7
FHDT130025	15 ¹ / ₂	30/0.25	1.50	15.00	0.80	13.70	3.15	2.2
FHDT150025	13	50/0.25	2.50	20.00	0.90	8.21	3.90	3.5
FHDT156030	11	56/0.30	4.00	26.00	1.00	5.09	4.70	5.3
FHDT184030	9	84/0.30	6.00	34.00	1.10	3.39	5.46	7.6
FHDT177040	7	77/0.40	10.00	47.00	1.30	2.02	6.70	9.1

NOTE: *

Amperage ratings are as specified in AS/NZS 3008.1
Derating factor may apply, refer to AS/NZS 3008.1

OFHC (oxygen free high conductivity copper) is employed in audio and industrial electronic units.

Features:

1. High electric and thermal conductivity

Since OFHC contains oxygen and impurities in very small quantities only,
it shows excellent electric conductivity and thermal conductivity
(Oxygen and impurities reduce the conductivity)

2. Excellent hydrogen embrittlement resistance

(TPC) Tough pitch copper becomes very brittle
when it is heated at higher than 600° C under a reduction gas atmosphere including hydrogen gas.
Since OFHC contains a very low oxygen content only, it does not show any brittleness

Please Note!

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