

GENERAL PURPOSE HOUSE WIRE (GPW)

Plain annealed stranded copper conductors, insulated with general purpose grade PVC



SPECIFICATIONS (SABS 1507-2)

Voltage rating	600/1000 Volts
Test voltage	3000 Volts
Current Capacity AC	As Per Table Below
Temperature range	-10° to +70°C
Flexibility Class	1 & 2
Conductor Type	High conductivity grade PVC
Insulation Material	General purpose grade PVC
Colour Options	Flexible grade PVC Blue, Black, Red, Violet, Green/Yellow, White, Orange, Pink, Grey, Brown & Yellow

CONSTRUCTION

High conductivity annealed stranded copper conductors, insulated with general purpose grade PVC.

APPLICATION

For the wiring of all types of control panels, buildings, factories etc. General purpose HOUSE WIRE is used by electrical contractors, electricians etc.

COLOUR CODES

Black	BK
Blue	BL
Brown	BN
Green/Yellow	G/Y
Grey	GY
Orange	OR
Pink	PK
Red	RD
Violet	VI
White	WH
Yellow	YE

TECHNICAL DATA

xx = Colour

Part no.	Cable Size	Nominal Stranding No. x Diameter	Approx. Overall Diameter	Current Rating Note 1	Volt drop Note 1	Approx. Cable weight Mass per 100m coil
	(mm ²)		(mm)	(A)	(MV/A/M)	(kg)
H481C100XX	1.0	7x0.43	2.9	15	44.0	1.7
H481C150XX	1.5	7x0.53	3.2	20	29.00	2.3
H481C250XX	2.5	7x0.66	3.6	27	18.00	3.3
H481C400XX	4.0	7x0.85	4.5	37	11.00	5.2
H481C600XX	6.0	7x1.04	5.1	47	7.30	7.2
H481C1000XX	10.0	7x1.35	6.0	65	4.40	11.2
H481C1600XX	16.0	7x1.67	7.0	80	2.80	17.0
H481C2500XX	25.0	19x1.31	8.6	104	1.75	26.6
H481C3500XX	35.0	19x1.53	10.0	125	1.25	35.7
H481C5000XX	50.0	19x1.78	11.5	150	0.95	48.3
H481C7000XX	70.0	19x2.14	13.3	190	0.66	68.0
H481C9500XX	95.0	19x2.52	15.5	240	0.50	94.0
H481C1200XX	120.0	37x2.03	17.1	275	0.41	115.4
H481C1500XX	150.0	37x2.25	19.0	310	0.34	142.6
H481C1850XX	185.0	37x2.52	21.2	350	0.29	179.0
H481C2400XX	240.0	61x2.25	24.1	410	0.25	233.5
H481C3000XX	300.0	61x2.52	27.0	465	0.22	317.0
H481C4000XX	400.0	61x2.80	30.3	535	0.20	375.0
H481C5000XX	500.0	61x3.20	34.1	610	0.19	479.0
H481C6300XX	630.0	91x2.97	38.0	700	0.18	612.0

Dimensions & specifications may be changed without prior notice.

Note 1: These ratings are for 2 cables single phase AC or DC clipped direct as per SANS 0142

Note 2: Assumed ambient temp of 30°C
Assumed max conductor temp of 70°C