

CONIX® V-90HT WIRE



APPLICATION

Flexible tinned copper wire that is suitable for high temperature working inside electrical devices and control cabinet.

OUTSTANDING FEATURES

- High temperature range up to 105°C
- Flame-retardant according to UL VW 1, CSA FT1
- Flexible for easy installation
- Consistency in RAL color coding visibility
- Tinned copper conductor to prevent oxidation and dry joint

CHARACTERISTIC

Voltage Rating U_o/U

600/1000V

Temperature Rating

Fixed: -20°C to 105°C

Flexing: -5°C to 105°C

Minimum Bending Radius

4xOD [cross section < 16 mm²]

8xOD [cross section ≥ 16 mm²]

CONSTRUCTION

Conductor : Tinned Copper wire, finely stranded acc. to IEC 60228, VDE 0295, class 5

Insulation : PVC

Insulation Color :

● Black	● Green/Yellow	● Blue (RAL 5015)
● Brown	● Red	● Light Blue (RAL 5024)
● Violet	● Orange	● Dark Blue (RAL 5010)
● Pink	● Grey	● White/Blue
● Green	● Yellow	
○ White		

* Green/Yellow = Yellow base Green stripe

COLOR CODES

BK	GN YE	BU	BN	RD	GY	VT	OG	YE	PK	LBU	WH	GN	DB	WH BU
Part No.		Coonductor Cross - sec. mm ²	AWG, apprx.	Outer Diameter	Copper weight kg/km	Weight kg/km, approx.								
V90-HT WIRE	416A5XX	0.5	21	2.5	4.7	11.2								
	416A75XX	0.75	19	2.7	7.0	14.3								
	4161XX	1	18	2.9	9.3	17.3								
	4161A5XX	1.5	16	3.2	13.6	22.7								
	4162A5XX	2.5	14	3.6	22.7	33.5								
	4164XX	4	12	4.2	36.7	49.5								
	4166XX	6	10	4.8	55.0	70.1								
	41610XX	10	8	6.4	93.1	121.9								
	41616XX	16	6	8.5	148.9	206.3								
	41625XX	25	4	9.9	232.7	304.0								
	41635XX	35	2	11.2	325.8	410.8								
	41650XX	50	1	13.6	465.4	588.1								
	41670XX	70	2/0	15.4	647.3	792.1								
	41695XX	95	3/0	17.4	881.8	1052.3								
	416120XX	120	4/0	19.0	1116.3	1308.0								

Packing: in cardboard box (100m) size: 0.5 - 2.5mm²

Others size: in coil or drum form

Photographs are not to scale and do not represent detailed images of the respective products.