

// Application

Indoor installations, in cable ducts, outdoor and underground for power stations, industrial plants and switching stations as well as local supply systems if increased protection is necessary. In case of mechanical damage the screen prevents any damage due to power leak to the surrounding area.

// Construction

1. Solid or stranded copper conductor.
2. PVC insulation.
3. PVC inner sheath.
4. Concentric screen.
5. Copper tape as binder.
6. Polyester tape.
7. PVC outer sheath.

// Cable Summary

Max. operating temperature : 70°C
Max. short circuit temperature :

Cross section < 300 mm² : 160°C (max. 5 sec.)
Cross section > 300 mm² : 140°C (max. 5 sec.)

Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D

D: Cable outer diameter

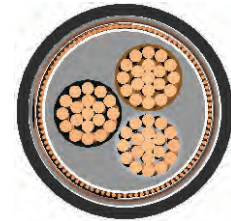
// Standards

IEC 60502 | VDE 0276

// Code

YVCV-U | YVCV-R | CU/PVC/SC/PVC | NYCY

U: Solid Conductor
R: Stranded conductor



Electrical Properties					Dimensions & Weights			
DC Conductor Resistance @ 20 °C	Current Carrying Capacity				Nominal Cross Section	Overall Dia. (approx.)	Net Weight (approx.)	Delivery Length
	ohm/km	in Ground @ 20 °C	in Air @ 20 °C	in Ground @ 30 °C				
12.100	-	-	-	-	1x1.5/1.5	14.0	240	1000
7.4100	-	-	-	-	1x2.5/2.5	15.0	300	1000
4.6100	-	-	-	-	1x4/4	17.0	420	1000
3.0800	-	-	-	-	1x6/6	18.5	530	1000
1.8300	-	-	-	-	1x10/10	20.0	730	1000
1.1500	127	-	-	107	1x16/16	22.0	1000	1000
0.7270	163	-	-	137	1x25/16	25.5	1400	1000
0.5240	195	-	-	165	1x35/16	27.5	1750	1000
0.3870	230	-	-	195	1x50/25	31.0	2350	1000
0.2680	282	-	-	239	1x70/35	35.0	3200	1000
0.1930	336	-	-	287	1x95/50	39.5	4300	1000
0.1530	382	-	-	326	1x120/70	43.5	5350	500
0.1240	428	-	-	366	1x150/70	47.5	6450	500
0.0991	483	-	-	414	1x185/95	52.0	8000	500
0.0754	561	-	-	481	1x240/120	59.5	10350	250
0.0601	524	-	-	481	3x300/150	66.5	12850	250
0.0470	600	-	-	560	3x400/185	78.0	17300	250
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-



Laying / Installation method:

Linear | ○○○
Triangular | ○○○

