

// Application

Indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

// Construction

1. Fine-stranded copper conductor.
2. PVC insulation.
3. PVC outer jacket.

// Cable Summary

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

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

Rated voltage : 0.6/1 kV
Min. bending radius : 15 x D

D = Cable outer diameter

// Standards

IEC 60502-1 | VDE 0276

// Code

YV-U | YV-R | CU/PVC/PVC | NYV

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 Duct @ 20 °C	in Air @ 30 °C				
12.1	-	-	25	20	1x1.5	5.8	50	1000
7.410	-	-	34	27	1x2.5	6.2	60	1000
4.610	-	-	45	37	1x4	7.0	85	1000
3.080	-	-	57	48	1x6	7.5	105	1000
1.830	-	-	78	66	1x10	9.0	160	1000
1.150	127	107	103	89	1x16	10.0	215	1000
0.727	163	137	137	118	1x25	11.5	320	1000
0.524	195	165	169	145	1x35	12.5	420	1000
0.387	230	195	206	176	1x50	14.0	570	1000
0.268	282	239	261	224	1x70	15.5	780	1000
0.193	336	297	321	271	1x95	18.0	1050	1000
0.153	382	326	374	314	1x120	19.5	1300	1000
0.124	428	366	428	361	1x150	21.0	1600	1000
0.0991	483	414	494	412	1x185	23.5	1950	1000
0.0754	561	481	590	484	1x240	27.0	2550	1000
0.0601	632	542	678	549	1x300	30.5	3150	1000
0.0470	730	624	817	657	1x400	34.0	4200	1000
0.0366	823	698	940	749	1x500	39.0	5200	1000
0.0283	866	775	1108	920	1x630	42.0	6450	500



Laying / Installation method:

Linear |
 Triangular |

