



ElettroBrescia
CAVI SPECIALI

Piris ::::



H07V-K



Date reviewed : 22/04/2015

Revision Number: 5

Single core PVC cables

Single core non-sheathed cables with flexible conductor.

Technical data

Voltage U₀ / U	450/750 V
Normative references	CEI EN 50525-2-31
Applications / Terms of use	Installation in surface-mounted or embedded conduits, or similar closed systems.
Type electric conductor	Flexible red copper
Type of insulation	T11
Sheath color	On demand (one or two colours)
Operating temperature	70° C on the conductor (55° C in environments with fire hazard)
Short circuit temperature	160° C on the conductor max 5 seconds (140° C in environments with fire hazard)
Cable marking	ELETTROBRESZIA IEMMEQU H07V-K
Minimum bending radius	6 times the max outer diameter.

H07V-K

Technical data

Section (mm ²)	Diameter capillary (mm)	Wire size (mm)	Average thickness of insulation (mm)	Minimum outside diameter (mm)	Maximum outside diameter (mm)	Electrical resistance (MΩ-km a 20°C)	Average weight (kg/km)	Factor cu (kg/km)
1x1,50	0,26	1,50	0,7	2,8	3,4	13,3000	20,00	14,40
1x2,50	0,26	1,90	0,8	3,4	4,1	7,9800	32,00	24,00
1x4,00	0,31	2,40	0,8	3,9	4,8	4,9500	48,00	38,40
1x6,00	0,31	3,00	0,8	4,4	5,3	3,3000	67,00	57,60
1x10,00	0,41	4,00	1,0	5,7	6,8	1,9100	119,00	96,00
1x16,00	0,41	5,20	1,0	6,7	8,1	1,2100	187,00	153,60
1x25,00	0,41	6,50	1,2	8,4	10,2	0,7800	292,00	240,00
1x35,00	0,41	7,70	1,2	9,7	11,7	0,5540	406,00	336,00
1x50,00	0,41	9,30	1,4	11,5	13,9	0,3860	580,00	480,00
1x70,00	0,51	10,80	1,4	13,2	16,0	0,2720	780,00	672,00
1x95,00	0,51	13,60	1,6	15,1	18,2	0,2060	1055,00	912,00
1x120,00	0,51	14,80	1,6	16,7	20,2	0,1610	1335,00	1152,00
1x150,00	0,51	17,40	1,8	18,6	22,5	0,1290	1690,00	1440,00