

Cu/PVC 70°C



ITALCOND - MADE IN ITALY

TECHNICAL FEATURES

Operating temperature	-30 °C ÷ +70 °C / laying temp. -5 °C ÷ +70 °C
Rated voltage	300/500V or 450/750V
Testing Voltage	2,0 kV for 300/500V and 2,5kV for 450/750V
Current carrying capacity	Acc. to DIN VDE 0295 resp. IEC 60228
Conductor material	Bare copper
Conductor Class	Class 1,2 and 5 DIN VDE 0295 resp IEC 60228
Core insulation	Thermoplastic material based PVC (quality T11)
Core identification	Acc. to CEI UNEL 00722 / HD 308 / VDE-0293
Max. temp. of short circuit	160 °C (max. 5 sec)
Min. bending radius	Fixed 3 x cable Ø / mobile use 5 x cable Ø
Standards	CEI 20-20/3 / 20-35 (EN 60332-1) CEI 20-52 / HD 21.3 S3
Other versions	Cu/PVC 90°C Cu/PVC 105°C Cu/LSOH Halogen-free

APPLICATION

Single core for internal wiring of devices as well as protected laying within pipes on-wall and in-wall, permitted for signal facilities and illumination sets for voltage upto 1000V AC or 750V DC to ground for 450/750V

SPECIAL FEATURES

Flame retardant and self extinguishing CEI 20-35 / EN 60332-1 /EN 50265
Lead free CEI 20-52

REMARKS

Conform to RoHS
CE acc. to EC Low-Voltage Directive 73/23/EEC and 93/68/EEC
Customized versions on demand

Section	Nom. O.D.	Copper weight	Approx. Cable weight	Section	Nom. O.D.	Copper weight	Approx. Cable weight
mm ²	mm	kg/km	kg/km	mm	mm	kg/km	kg/km
300/500V class 1				450/750V class 5			
1 x 0,50	2	4,8	8	1 x 1,50	3,1	14,4	21
1 x 0,75	2,2	7,2	12	1 x 2,50	3,75	24	33
1 x 1,00	2,3	9,6	14	1 x 4,00	4,4	38,4	48
450/750V class 1				1 x 6,00	4,9	57,6	66
1 x 1,50	2,8	14,4	21	1 x 10	6,4	96	112
1 x 2,50	3,4	24	32	1 x 16	7,4	153,6	167
1 x 4,00	3,6	38,4	48	1 x 25	9,1	240	254
1 x 6,00	4,1	57,6	66	1 x 35	10,35	336	340
1 x 10	5,3	96	112	1 x 50	12,4	480	485
300/500V class 5				1 x 70	13,6	672	674
1 x 0,50	2,1	4,8	9	1 x 95	15,8	912	894
1 x 0,75	2,3	7,2	12	1 x 120	17,4	1152	1110
1 x 1,00	2,5	9,6	15	1 x 150	19,8	1440	1400
				1 x 185	21,6	1776	1700
				1 x 240	24,6	2304	2230