



CEI 20-22 II FROR 450/750 V 4 G 2,5 MM2

CE

Technical data

- Special PVC-sheathed flexible cord
- As per Italian standard CEI 20-22 II
- **Temperature range** flexing - 5°C to +70°C fixed installation -35°C to +70°C
- **Nominal voltage** U₀/U 300/500 V = 1 mm² U₀/U 450/750 V 1,5 mm² and above
- **Test voltage** 2000 V
- **Insulation resistance** min. 20 MOhm x km
- **Radiation resistance** up to 80 x 10⁵ cJ/kg (80 Mrad)
- **Minimum bending radius** approx. 10 x cable Ø
- PVC self-extinguishing and flame retardant, test methods analog to IEC 60332-3

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Cable structure

- Bare copper conductor, fine wire stranded to CEI 20-29 cl. 5
- Special PVC compound MI R 2
- Colour coded up and to 4 cores to HELUKABEL-JB colour code see page T 48
- As of 5 cores black with continuous white number printing
- Green-yellow earth core
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath
- Sheath colour grey, similar to RAL 7035, with printing CEI 20-22 II
- Oil- and petrol resistant as per CEI 20-22 II

Application

Well known companies (FIAT, COMAU, etc.) use this cable for measurement and control purposes on machine tools and conveyors, as well as on production lines in equipment production and for special mechanical engineering. These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air. Due to special conductor insulation- and sheath compound, this cable is flame resistant in case of fire and self-extinguishing. The good oil- and petrol resistance allows the usage of this cable also in "problem" areas.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
60250	3G1	8,5	29	85	17
60251	4G1	9,5	39	100	17
60252	5G1	10,5	48	123	17
60253	7G1	10,8	67	160	17
60254	12G1	13,8	115	270	17
60255	18G1	16,5	173	380	17
60256	25G1	19,5	240	500	17
60284	27G1	20,0	259	560	17
60285	33G1	20,8	317	700	17
60257	34G1	21,0	326	720	17
60258	42G1	23,3	405	800	17
60259	50G1	25,0	480	1050	17
60260	3G1,5	9,6	43	105	16
60261	4G1,5	11,0	58	150	16
60262	5G1,5	12,0	72	190	16
60263	7G1,5	12,5	101	220	16
60264	12G1,5	16,0	173	350	16
60265	18G1,5	18,8	259	515	16
60266	25G1,5	23,0	360	705	16
60267	34G1,5	26,0	490	990	16
60286	37G1,5	26,5	533	1005	16
60268	42G1,5	29,5	605	1080	16
60269	50G1,5	30,5	720	1330	16

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
60287	3G2,5	11,3	72	190	14
60270	4G2,5	12,3	96	215	14
60271	5G2,5	12,6	120	270	14
60272	7G2,5	14,5	168	350	14
60273	12G2,5	18,0	288	550	14
60274	4G4	14,0	154	300	12
60275	7G4	16,0	269	500	12
60276	4G6	16,0	230	430	10
60277	4G10	19,0	384	700	8
60278	4G16	23,0	614	1000	6
60279	4G25	28,0	960	1550	4
60280	4G35	31,0	1344	2070	2
60281	4G50	37,0	1920	2850	1
60282	4G70	43,0	2688	4000	2/0
60283	4G95	50,0	3648	5400	3/0

G = with green-yellow earth core
X = without green-yellow earth core (OZ)

*) Note

AWG sizes are approximate equivalent values.
The actual cross-section is in mm² - see page T 15.

Further sizes available on request. Also available in screened version.

PVC cables will be changed to lead free PVC successively.