

flexible at low temperatures,
wear-resistant, robust



YELLOWFLEX

The robust special rubber sheathed cable for high mechanical requirements



These robust special rubber sheathed cables can be used where high demands are placed on temperature range, flexibility and mechanical stress.

For application on construction sites, in steel works and rolling mills in heating and air-conditioning systems, in the bottling industry, in machinery and plant construction, in the chemical industry and painting systems, as well as for the professional and the hobby enthusiast.

The choice of yellow as the sheath colour ensures additional safety.
Can be used in potentially explosive areas acc. to DIN VDE 0165.

Resistant to: Atmospheric influences, ozone, hydrolysis, UV-radiation, largely resistant to oils and fats

Special features: High flexibility at low temperatures, increased stability and tear-resistant

Technical data

- Special rubber sheathed cable acc. to DIN VDE 0282 Part 4, HD 22.4 S3
- Temperature range
flexing -25°C to $+100^{\circ}\text{C}$
fixed -50°C to $+100^{\circ}\text{C}$
- Permissible operating temperature at conductor $+90^{\circ}\text{C}$
- Nominal voltage
 U_0/U 450/750 V
with protected fixed installation
 U_0/U 600/1000 V
- Highest permissible operating voltage in three-phase and one-phase a.c. systems
 U_0/U 476/825 V
in d.c. systems U_0/U 619/1238 V
- Test voltage 3000 V
- Minimum bending radius flexible
up to 12 mm cable \varnothing , 3 x cable \varnothing
Greater than 12 mm cable \varnothing , 4 x cable \varnothing

Construction

- Bare copper conductor, fine wire to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5 and/or HD 383
- Rubber core insulation, EPR/EPDM adapted to DIN VDE 0207 part 20
- Core identification to DIN VDE 0293
- Core colours
 - up to 5 cores one-coloured
 - 6 and more cores, black with numbering
 - 3 cores and above with green/yellow earth core
 - 2 cores without green-yellow earth core
- Cores stranded in layers with optimal lay-length
- Special outer sheath, cross-linked
- Sheath colour Yellow (RAL 1021)
- Flame-retardant acc. to DIN VDE 0482, Part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (as per DIN VDE 0472, Part 104 Test Method B)

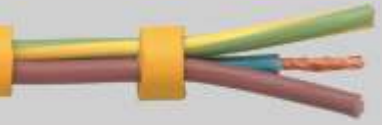
Application

- Flame-retardant acc. to DIN VDE 0482, Part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (as per DIN VDE 0472, Part 104 Test Method B)
- High flexibility at low temperatures
- Increased stability
- Resistant to Atmospheric influences, Ozone, Hydrolysis, UV-radiation
- Largely resistant to oils and fats.
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

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



HELUKABEL YELLOWFLEX 3G 2,5 QMM / 37270 450 / 750V 001050010 CE



YELLOWFLEX - The cable

Part No.	No. pairs x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weigth ca. kg/km
37259	2x1	8,4	19,0	98
37260	3G1	9,2	29,0	131
37261	4G1	9,7	38,0	150
37262	5G1	11,0	48,0	220
37263	2x1,5	9,2	29,0	135
37264	3G1,5	9,8	43,0	165
37265	4G1,5	11,5	58,0	200
37266	5G1,5	12,0	72,0	241
37267	7G1,5	16,5	101,0	375
37268	12G1,5	18,3	175,0	460
37269	2x2,5	11,0	48,0	194
37270	3G2,5	11,8	72,0	235
37271	4G2,5	12,7	96,0	290
37272	5G2,5	14,1	120,0	347

Part No.	No. pairs x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weigth ca. kg/km
37273	2x4	13,0	77,0	282
37274	3G4	14,1	115,0	322
37275	4G4	15,8	154,0	397
37276	5G4	17,1	192,0	486
37277	4G6	18,2	230,0	541
37278	5G6	19,1	288,0	652
37279	4G10	23,0	384,0	952
37280	5G10	25,8	480,0	1203
37281	4G16	26,3	614,0	1260
37282	5G16	29,1	768,0	1550
37283	4G25	31,7	960,0	1860
37284	5G25	35,2	1200,0	2250
37285	4G35	36,8	1344,0	2374
37286	5G35	40,6	1680,0	2752

HELUKABEL YELLOWFLEX 2x1,5 QMM / 37263 450 / 750V 001050010 CE



YELLOWFLEX - The connecting cable

End 1: Plug, End 2: 30mm stripped with wire end ferrule

Part no.	No cores x cross-sec mm ²	Length m	Plug type	Cop. weight kg/1000
650950	2x1	2	Central contour connector	38,0
650951	2x1	3	Central contour connector	57,0
650952	2x1	5	Central contour connector	95,0
650953	2x1	10	Central contour connector	190,0
650954	3x1	2	Protected plug, straight	58,0
650955	3x1	3	Protected plug, straight	87,0
650956	3x1	5	Protected plug, straight	145,0
650957	3x1	10	Protected plug, straight	290,0
650958	2x1,5	2	Central contour connector	58,0
650959	2x1,5	3	Central contour connector	87,0
650960	2x1,5	5	Central contour connector	145,0
650961	2x1,5	10	Central contour connector	290,0
650962	3x1,5	2	Protected plug, straight	86,0
650963	3x1,5	3	Protected plug, straight	129,0
650964	3x1,5	5	Protected plug, straight	215,0
650965	3x1,5	10	Protected plug, straight	430,0

CE = The product conforms to the EC Low Voltage Directive 73/23/EEC and 93/68/EEC.

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