

PURWIL, orange, flex, EPR/PUR

102

CH-S1BQ-F

Robust and flexible polyurethane cable (EPR/-PUR)

The bright orange PURWIL cable is the right choice for connecting machines and equipment under extreme conditions or outdoors. Thanks to the large number of alternative core cross-sections and core configurations, it is suitable for a wide variety of purposes up to 750 V nominal voltage. The finely stranded, flexible cable is extremely resistant to wear and breakage and to acid and oil. These properties predestine it for daily, harsh use at construction zones, in industry or in mechanical engineering. The colour, labelling and alternative cable configurations can be individually tailored. The outer sheath and core insulation for PURWIL PUR/PUR are made of halogen-free polyurethane (PUR).

Materials and components

- Cu conductor bare class 5 (IEC 60228), finely stranded
- Core insulation made of cross-linked EPR
- Core colours per CENELEC HD 308 S2
- Cores stranded in optimal length of lay with fillers
- Outer sheath made of polyurethane (PUR)

Jacket colour

- Orange similar to RAL 2004
- Other colours on request

Functions

- Abrasion resistant
- Flexible
- Good oil and petrol resistance
- Halogen-free

Environmental conditions

- Good resistance at high and low temperatures
- Hydrolysis- and microbe-resistant
- Ozone- and weather-resistant
- Saltwater-resistant
- UV radiation-resistant

Performance

Mechanical properties

- Max. tensile load 20N/mm² Cu cross-section
- Min. bending radius 10 x D static, 15 x D dynamic (D = cable Ø)

Nominal voltage

- Nominal voltage [AC]: U₀ / U 600 V / 1,000 V

Test voltage

- Test voltage [AC]: 3,500 V, 50 Hz, 5 min.

Temperature range

- Mobile: -5°C ... +90°C
- Fixed laying: -40°C ... +90°C
- Occasionally mobile: -25°C ... +90°C
- Capable of carrying current for short time up to 110°C

Standards

- Based on EN 50525-2-51
- IEC 60754-1 Halogen-free
- IEC 60754-2 Corrosivity of fumes
- IEC 60228 Conductors of insulated cables
- Fire reaction class acc. EN 13501-6 : Fca

Remarks

Made in Switzerland



Technical data

Cross-section mm ²	Part no.	Conductor code	Ø D mm	Cu-number kg/km	Weight kg/km
4G25	21316	3LPE	27.1 ± 0.4	960	1230
5G25	21317	3LNPE	29.5 ± 0.5	1200	1486
4G35	21318	3LPE	31.2 ± 0.5	1344	1670
5G35	21319	3LNPE	34.7 ± 0.5	1680	2015
4G50	21320	3LPE	35.7 ± 0.5	1920	2320
5G50	21321	3LNPE	39.9 ± 0.5	2400	2395
4G70	21322	3LPE	40.8 ± 0.5	2688	3160
5G70	21323	3LNPE	45.6 ± 0.5	3360	3910
4G95	21324	3LPE	47.0 ± 0.5	3648	4180
5G95	21325	3LNPE	52.4 ± 0.5	4560	5190
4G120	21326	3LPE	51.7 ± 0.5	4608	5690

Bigger cable constructions on request, until 5x150 mm².