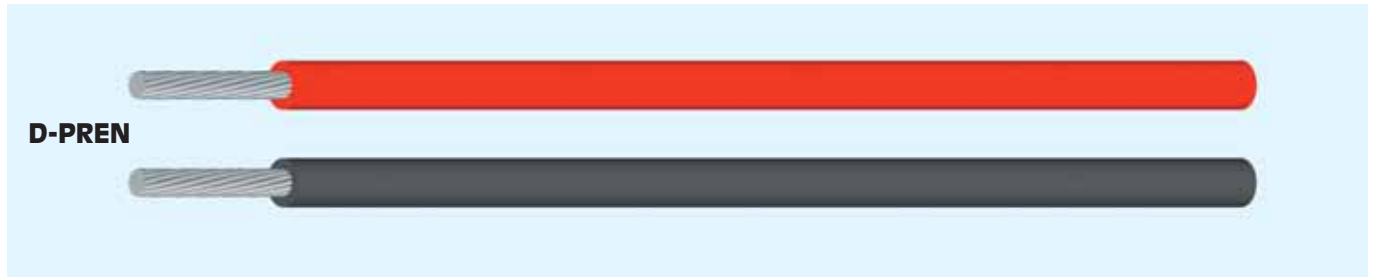


D-PREN 155

Flexible halogen-free cables, extensively heat resistant



Cable structure

- Tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation – halogen-free polyolefin elastomer

Technical data

- Single core cable, halogen-free, extensively heat resistant
- **Temperature range** from -50 °C to +155 °C
max. permitted temperature +170 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage a.c.** 3500 V
- **Minimum bending radius** approx. 5× cable diameter

Tests

- **Flame-retardant**, test method to IEC 60332-1
- **Low corrosiveness of combustion gases** to IEC 60754-2
- **Halogen-free** to DIN VDE 0482 part 267/BS 6425 PT1/EN 50267-2/IEC 60754-1
- **Smoke density** to IEC 61034-2

Advantages

- halogen-free, no liberation of corrosive or toxic vapours, which helps to save valuable time when evacuating a building and prevents unnecessary loss of life
- good mechanical resistance
- low fire propagation
- low development of smoke and fumes when burning
- good resistance to oils and soaking
- resistant to UV radiation, ozone and oxygen
- resistant to soldering temperatures
- good weathering coefficient at higher temperatures

Application

These heat resistant single core cables are used for internal wiring in lighting technics, heaters, electrical machinery, switching and distribution boards. These cables can be laid in tubes in and beneath a plaster, in closed installation ducts as well as for traffic systems and outdoor applications. These cables are not suitable for direct routing on racks, gutters or tanks. For a protected installation, these cables may be used at a nominal voltage of up to 1000 V a.c. or 750 V d.c. when earthed. These halogen-free cables are characterised as resistant to heat and mechanical stress for a long period of time. Its characteristics contribute to the environment.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.
Other insulation colors available on request.
Other types available on request. Technical changes reserved.
Packing: in rings, boxes, drums

Part No.	Core cross-section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0450999	0,25	2,0	2,4	4,0
0451281	0,5	2,2	4,8	9,0
0451295	0,75	2,4	7,2	12
0451309	1	2,5	9,6	14
0451323	1,5	3,0	14,4	21
0451337	2,5	3,6	24	30,5
0451351	4	4,3	38	46,5
0451365	6	4,9	58	73
0451379	10	6,6	96	125

Part No.	Core cross-section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0451420	16	7,7	154	185
0451434	25	9,6	240	280
0451448	35	10,7	336	370
0451462	50	12,6	480	540
0451476	70	14,9	672	730
0451490	95	17,2	912	990
0451504	120	20,1	1152	1250
0451518	150	22,2	1440	1650
0451532	185	24,9	1776	1850