



# E<sub>ca</sub>

## APPLICATION

Xtrem<sup>®</sup> DN-F is a flexible and rubber cable for mobile heavy duty. Suitable for installations in dry, damp or wet locations, outdoors, for hazardous areas with explosive gas atmospheres, machines in industrial workshops, motors and transportable machines; on construction sites and for agricultural exploitations. Suitable for submerged installations (AD8).

## CONSTRUCTION

### Conductor

Electrolytic annealed copper class 5 (flexible) according to EN 60228 and IEC 60228.

### Insulation

Thermosetting rubber type EPR according to IEC 60502-1.








The standard identification according to HD 308 is the following:

1 x	Natural
2 x	Blue + Brown
3 G	Blue + Brown + Green/Yellow
3 x	Brown + Black + Grey
4 G	Brown + Black + Grey + Green/Yellow
4 x	Brown + Black + Grey + Blue
5 G	Brown + Black + Grey + Blue + Green/Yellow
6 or more	Black numbered + Green/Yellow

### Outer sheath

Thermosetting flexible rubber type SE1 according to IEC 60502-1. Black colour.

## CHARACTERISTICS

-  **Electrical performance**  
Low voltage: 0,6/1 KV.
-  **Thermal performance**  
Maximum conductor temperature: 90°C.  
Maximum short-circuit temperature: 250°C (max. 5 s).  
Minimum service temperature: -40°C (fixed and protected installations) and -25°C (mobile use).
-  **Fire performance**  
Flame non-propagation according to EN 60332-1 / IEC 60332-1.  
Reaction to fire CPR: E<sub>ca</sub> according to EN 50575.
-  **Mechanical performance**  
Minimum bending radius:  
3x cable diameter < 12 mm.  
4x cable diameter ≥ 12 mm.  
Impact resistance: AG2 Medium severity.
-  **Environmental performance**  
Chemical & Oil resistance: Excellent.  
Grease & mineral oils resistance: Excellent.  
UV Resistant according to EN 50618.  
Water resistance: AD8 Submersion.  
Submersible pumps in drinkable water according to AS/NZS 4020.  
Deep wells.  
Drinkable water. AWQC.
-  **Installation conditions**  
Open Air.  
Submersible pumps cable.
-  **Other**  
Meter by meter marking.

## STANDARDS / COMPLIANCE

-  **Based on**  
UNE 21150
-  **Standards and approvals**  
RoHS / CE
-  **CPR (Construction Products Regulation)**  
E<sub>ca</sub>

