DESIGNATION CODES - CEI-UNEL 35011

Conductor nature and shape

-	Copper conductor - No symbol
A	Aluminium conductor
EF	Extra flexible conductor, circular or special construction
F	Circular flexible conductor
FF	Circular very flexible conductor
R	Circular stranded wire conductor, non-compacted or compacted construction
S	Shaped stranded conductor
SU	Shaped solid conductor
U	Circular solid conductor

Insulation

C	Paper impregnated with normal mixture
C1	Paper impregnated with non-migrant mixture
C2	Paper impregnated with gas and special mixture
C3	Paper impregnated with oil
C4	Paper impregnated with stabilized mixture
E	Thermoplastic polyethylene compound
E4	Cross-linked polyethylene compound, maximum conductor temperature 85°C
G	Natural and/or syntetic rubber compound, EI1 quality, maximum conductor temperature 60°C
G4	Silicon rubber compound, EI2 quality, maximum conductor temperature 180°C
G7	High grade ethylene-propylene rubber compound, maximum conductor temperature 90°C
G8	Ethylene-propylene rubber compound, characteristic temperature 85°C
G9	Cross-linked elastomeric compound with low emission of smoke, toxic and corrosive gases, maximum conductor temperature 90°C
G10	Cross-linked elastomeric compound with low emission of smoke, toxic and corrosive gases, maximum conductor temperature 90°C
G19	Cross-linked elastomeric compound with low emission of smoke, toxic and corrosive gases, maximum conductor temperature 90°C
G20	Cross-linked elastomeric compound with low emission of smoke, toxic and corrosive gases, maximum conductor temperature 90°C
G21	Cross-linked compound with low emission of smoke and toxic, corrosive gases, for photovoltaic cables
M	Mineral insulation
M9	Thermoplastic compound with low emission of smoke, toxic and corrosive gases, maximum conductor temperature 70°C
R	PVC compound, TI1 and TI2 quality, maximum conductor temperature 70°C
R2	PVC compound, R2 quality, maximum conductor temperature 70°C
R4	Polyamide resin compound
R5	Flourocarbon resin compound
R5F	FET compound for high temperature cables
R5M	MFA compound for high temperature cables
R7	PVC compound, TI3 quality, characteristic temperature 90°C
T	Mica tapes
V	Impregnated glass tapes

Cable shape

-	Single core cables - No symbol
O	Round cable
D	Flat cable
X	Single cables made with visible helix
W	Flat cable with intermediary groowe
W1	Flat cable with intermediary insulating strip

Concentric conductor and screen

AC	Aluminium concentric conductor
C	Copper concentric conductor
H	Electrostatic aluminium screen (metallized paper or tape)
H1	Copper tape or copper wire screen
H2	Braid wire copper screen
H3	Double braid wire copper screen
H4	Longitudinal corrugated steel tape screen
H5	Longitudinal coated aluminium tape screen
Q	Copper sheath

Armour or metallic coating

A	Sheath of aluminium smooth or braid armour
A1	Corrugated aluminium sheath
EL	Lead alloy sheath, with continuity conductor below
EP	Lead sheath, with continuity conductor below
F	Round wires armour
FJ	Round wires armour, with jute covering
H4	Longitudinal corrugated steel tape screen
H5	Longitudinal aluminium covered tape screen
L	Lead alloy sheath
N	Tape armour
P	Lead sheath, not alloy
Q	Copper sheath
Z	Flat wire armour

Non-metallic sheath

E	Thermoplastic sheath, Ez quality
E4	Cross lynked polyethylene, EM4 quality
G	Natural and/or syntetic rubber sheath, Gy quality
G6	Chlorinated or chlorisulphonated polyethylene sheath, G6M quality
K	Polychloroprene sheath or similar polymers, Ky, Kn and Kz quality
R	PVC sheath, TM1, TM2 and Rz quality
R4	Polyamide resin sheath
M1	Thermoplastic sheath with low emission of smoke, toxic and corrosive gases emission, M1 quality
M2	Elastomeric sheath with low emission of smoke, toxic and corrosive gases emission, M2 quality
M3	Elastomeric sheath with low emission of smoke, toxic and corrosive gases emission, M3 quality
M4	Elastomeric sheath with low emission of smoke, toxic and corrosive gases emission, M4 quality
M21	Elastomeric sheath with low emission of smoke, toxic and corrosive gases emission, for photovoltaic cables, M21 quality

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