

CABLES DESIGNATION CODES

ITALIAN SYSTEM IN ACCORDANCE WITH CEI UNEL 35011:2000-08

TYPE AND FLEXIBILITY OF CONDUCTOR

- No symbol: copper conductor
- A** Aluminium conductor
- F** Stranded flexible round conductor
- FF** Stranded very flexible round conductor
- R** Stranded rigid (compacted) conductor
- S** Sector stranded conductor
- SU** Sector single conductor
- U** Solid conductor

TYPE AND QUALITY OF INSULATION

- C** Paper impregnated with normal mixture
- C1** Paper impregnated with a non-migrant mixture
- C2** Paper impregnated with special mixture and with gas
- C3** Paper impregnated with light oil
- C4** Paper impregnated with a stabilized mixture
- E** Thermoplastic polyethylene compound
- E4** Cross-linked polyethylene compound at 85°C
- G** Natural and/or synthetic rubber compound at 60°C
- G4** Silicone rubber compound at 180°C
- G7** High module ethylene propylene rubber compound at 90°C
- G8** Ethylene propylene rubber compound at 85°C also for cables without protection covering
- G9** Cross-linked elastomeric compound with low emission of smoke and toxic and corrosive gases at 90°C, also for cables without protection covering
- G10** Cross-linked elastomeric compound with low emission of smoke and toxic and corrosive gases at 90°C
- G19** Cross-linked elastomeric compound with low emission of smoke and toxic and corrosive gases at 90°C
- G20** Cross-linked elastomeric compound with low emission of smoke and toxic and corrosive gases at 90°C
- M** Mineral insulation
- M9** Thermoplastic compound with low emission of smoke and toxic and corrosive gases at 70°C
- R** Polyvinyl chloride compound at 70°C, TI1 and TI2 type.
- R2** Polyvinyl chloride compound at 70°C, R2 type
- R4** Polyamide resin compound
- R5** Fluorocarbon resin compound
- R7** Polyvinyl chloride compound at 90°C, TI3 type
- T4** Tissue painted with oils and resins
- V** Glass tissue (impregnated if necessary)

CABLE SHAPE

- No symbol: single core cables
- O** Assembled cores (with covering if necessary), with or without fillers to form a round cable
- D** Cores as above, close together in parallel (flatted cable outside)

- X** Assembled cores (with covering if necessary), with or without fillers, with triplex assembly
- W** Cores joined in parallel with an intermediary furrow
- W1** Cores joined in parallel with an intermediary insulating filler

SCREEN AND CONCENTRIC CONDUCTORS

- AC** Concentric aluminium conductor
- C** Concentric copper conductor
- H** Metalized paper or carbon-copy or aluminium tape
- H1** Copper tape, flat wire or wire screen
- H2** Copper braid screen
- H3** Double copper braid screen
- H4** Longitudinal corrugated steel tape
- H5** Longitudinal laminated aluminium tape

ARMOUR (METALLIC COVERING)

- A** Smooth aluminium sheath or metallic braid shielding
- A1** Corrugated aluminium sheath
- EL** Lead alloy sheath, with an underlying continuity conductor
- EP** Lead sheath, not in alloy, with an underlying continuity conductor
- F** Steel wire armouring
- H4** Longitudinal corrugated steel tape armouring
- H5** Longitudinal laminated aluminium tape armouring
- L** Lead alloy sheath
- N** Steel tape armouring
- P** Lead sheath
- Q** Copper sheath
- Z** Steel flat wires

SHEATH (NON METALLIC COVERING)

- E** Thermoplastic compound, Ez type
- E4** Cross-linked polyethylene, E4M type
- G** Natural and/or synthetic rubber compound, Gy type
- G6** Cloro-sulphurine polyethylene compound, G6M type
- K** Noprene or similar compound, Ky, Kn, Kz type
- R** Polyvinyl chloride compound, Tm1, Tm2, Rz type
- R4** Polyamide resin compound
- M1** Thermoplastic compound with low emission of smoke and toxic and corrosive gases
- M2** Elastomeric compound with low emission of smoke and toxic and corrosive gases, M2 type
- M3** Elastomeric compound with low emission of smoke and toxic and corrosive gases, M3 type
- M4** Elastomeric compound with low emission of smoke and toxic and corrosive gases, M4 type
- T1** Binding with glass tape
- T** Textile braid (impregnated if necessary)
- T2** Special textile braid (impregnated if necessary)