

# Designation code for harmonized cables

according to DIN VDE 0281/DIN VDE 0282/DIN VDE 0292

Construction reference

H 05 V V5 - F 25 G 0,75

## Identifications of designation

- A authorised national standards
- H harmonized standards

## Nominal voltage U

- 01 100 V
- 03 300/300 V
- 05 300/500 V
- 07 450/750 V

## Insulation material

- B (EPR) Ethylene-propylene-rubber
- G (EVA) Ethylene-Vinylacetat-Copolymer
- N2 (CR) Chloroprene rubber for welding cables
- R (NR a./o. SR) Natural a./o. synthetic rubber
- S (SiR) Silicone rubber
- V (PVC) Polyvinyl chloride
- V2 (PVC) Polyvinyl chloride heat-resistant
- V3 (PVC) Polyvinyl chloride low-temperature
- V4 (PVC) Polyvinyl chloride cross-linked
- Z (PE) Polyethylene cross-linked

## Structural elements

- C Screen
- Q4 (PA) Additional polyimide core jacket
- T Additional textile braiding over laid-up cores
- T6 Additional textile braiding over individual cores

## Sheath/jacket material

- B (EPR) Ethylene-propylene rubber
- J Glass fibre braid
- N (CR) Chloroprene rubber
- N2 (CR) Chloroprene rubber for welding cables
- N4 (CR) Chloroprene rubber heat-resistant
- Q (PUR) Polyurethane
- R (NR a./o. SR) Natural- a./o. synthetic rubber
- T Textile braid
- T2 Textile braid with flame retardant compound
- V (PVC) Polyvinyl chloride
- V2 (PVC) Polyvinyl chloride heat-resistant
- V3 (PVC) Polyvinyl chloride low-temperature
- V4 (PVC) Polyvinyl chloride cross-linked
- V5 (PVC) Polyvinyl chloride oil resistant

## Special structural features

- D3 Stress-relieving elements (support wire)
- D5 Centre core (no supporting element)
- FM Telecommunications cores integrated in power cables
- H Flat, separable cable (twin cable)
- H2 Flat, non-separable cable (two-core sheathed cable)
- H6 Flat, non-separable cable (multi- and multiple sheathed cable)
- H7 Two-layer insulating jacket
- H8 Spiral cables

## Conductor type

- D Finely stranded, for welding cables
- E (very) finely stranded, for welding cables
- F Finely stranded, for cables for fixed installation
- H (Very) finely stranded, for flexible cables
- K Finely stranded, for cables for fixed installation
- R Multiple-wire, round, class 2
- U Single-wire, round, class 1
- Y Tinsel wire, DIN 47104

## Number of cores

## Earth core

- G With earth core
- X Without earth core

## Conductor nominal cross section in mm<sup>2</sup>

### Examples:

**H07V-U 2,5 black** (according to DIN VDE 0281)  
Harmonized PVC-insulated single-core sheathed cable, 2,5 mm<sup>2</sup> single-core, nominal voltage 750 V

**H07RN-F 3G 1,5** (according to DIN VDE 0282)  
Harmonized rubber-sheathed-cable for medium tensile loads, three-core 1,5 mm<sup>2</sup>, finely stranded, green-yellow earth core, nominal voltage 750 V