

# 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  
**O** (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