

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 mm²

Examples:

H07V-U 2,5 black (according to DIN VDE 0281)
 Harmonized PVC-insulated single-core sheathed cable, 2,5 mm²
 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 mm², finely stranded, green-yellow earth core, nominal voltage 750 V