Abbreviations Key for wires according to harmonized requirements

		1. Part	2. Part	3. Teil
Type of designation and rated voltage	**Designation ident**		-	
	harmonized type	**H**		
	acknowledged national type	**A**		
	Rated voltage U_0 / U			
	100 / 100 V	**01**		
	300 / 300 V	**03**		
	300 / 500 V	**05**		
	450 / 750 V	**07**		
Structure of the wires	**Insulation material**			
	PVC standard to + 70 °C	**V**		
	PVC heat resistant to + 90 °C	**V2**		
	PVC cold resistant to - 25 °C	**V3**		
	PVC cross- linked	**V4**		
	natural and /or synthetic rubber to + 60 °C	**R**		
	ethylene-propylene rubber to + 90 °C	**B**		
	synthetic rubber (EVA) to + 110 °C	**G**		
	silicone rubber heat resistant to + 180 °C	**S**		
	cross-linked halogen free compound	**Z**		
	halogen free thermoplastic compound	**Z1**		
	Sheath material			
	PVC standard to + 60 °C	**V**		
	PVC heat resistant to + 90 °C	**V2**		
	PVC cold resistant to - 25 °C	**V3**		
	PVC cross-linked	**V4**		
	PVC oil resistant	**V5**		
	polyurethane	**Q**		
	natural and / or synthetic rubber to + 60 °C	**R**		
	polychloroprene rubber to + 60 ° C	**N**		
	special polychloroprene rubber compound	**N2**		
	synthetic rubber (EVA) to + 110 °C	**G**		
	fibreglass braid	**J**		
	textile braid	**T**		
	textile braid with flame retardant compound	**T2**		
	Spezial constructions			
	divisible flat cable	**H**		
	indivisible flat cable	**H2**		
	flat cable acc. to HD 359 with ≥ 3 cores	**H6**		
	spiral cables	**H8**		
	supporting element (textile or metal)	**D3**		
	Core inlet (no load-bearing element)			
	copper braid screen over stranded cores	**C4**		
	construction of conductor			
	solid	**-U**		
	stranded	**-R**		
	fine stranded for fixed installation	**-K**		
	fine stranded for flexible installation	**-F**		
	very fine stranded for flexibel installation	**-H**		
	tinsel cord	**-Y**		
	fine stranded conductor for welding cables	**-D**		
	very fine stranded conductor for welding cables	**-E**		
number of cores and nominal cross section	**number of cores**	**...**		
	earth conductor			
	without earth conductor	**X**		
	with earth conductor (yellow green)	**G**		
	nominal cross section in mm²	**...**		

Examples of construction type abbreviations:

H07V-U 1,5 black PVC-insulated Single Core Wire 1,5 mm², black with solid conductor

H07RN-F 3 G 2,5 Rubber Sheathed Cable, 3 cores, 2,5 mm², with earth conductor yellow green

H03VV-F 2 x 0,75 PVC Sheathed Wire, 2 cores, 0,75 mm²

Abbreviations key for electricity cables

Constructing components	abbreviations		remark
	VDE	ÖVE	
National standard	N	-	
Adapted to the national standard	(N)	E-	E ... energy cable
conductor			
- of copper	-	-	no sign
- of aluminium	A	A	
Insulation			
- mass-impregnated paper	-	P	
- polyvinylchloride (PVC)	Y	Y	
- polyethylene (PE)	2Y	2Y	
- cross-linked polyethylene (VPE)	2X	2X	
- cross-linked polymer (flame retardant, halogen free)	HX	-	
Concentric conductor of copper			
- long-lay	C	C	
- in waveconal formation	CW	-	
Screen of copper			
- for single core cables or for multicore cables with a common screen	S	C	
- for multicore cables with a screen over each individual core	SE	CE	
- longitudinally watertight	S(F)	CJ	XLPE power cables
Individual screening of cores from metalised papar (Höchstädter Cable)	H	H	
Metal sheath of lead			
- for single core and multicore cables with a common sheath	K	M	
- for 3-core screened SL cables with an anti-corrosion protection on each sheath	EK	ME	
Polymer laminated sheath			
- longitudinally and radially with aluminium tape tightly bonded to the PE sheath	(FL)2Y	JA2Y	
Plastic sheath and inner protection			
- PVC sheath or extruded PVC protection	Y	Y	
- PVC (reinforced sheath)	YV	Y3V	
- PE sheath	2Y	2Y	
- PE (reinforced sheath)	2YV	2Y3V	
- FRNC	HX	NG	cross-linked polymer
- FRNC	H	NY	not cross-linked polymer
Armour			
- steel tape	B	B	
- flat steel tape	F	F	
- round steel tape	R	R	
- counter helix of galvanized steel tape	G	G	
- Aldrey - circular wires	R(AY)	R(AY)	
External protection			
- Compound jute fibre	A	U	
- further materials: compare inner protection			
Constructions			
- with yellow green core	-J	-J	with protective conductor
- without yellow green core	-O	-O	without protective conductor
- core colouring with numbers - construction J	-JZ	-JZ	with protective conductor
- core colouring with numbers - construction O	-OZ	-OZ	without protective conductor
Conductor design			
- circular solid	RE	RE	
- circular stranded	RM	RM	compacted or incompact
- fine stranded	F	F	
- sector shaped solid	SE	SE	
- sector shaped stranded	SM	SM	

Cables are designated with
- type abbreviation
- number of cores and nominal cross section in mm²
- abbreviation for type & form of the main conductor
- if applicable nominal cross section of the screen or the concentric conductor in mm²
- nominal voltage in kV

Cables are not designated with
- copper conductor
- insulation of impregnated paper
- inner and outer conducting layer for cables with plastic insulation
- common core covering
- filling material
- inner serving of compounded jute yam

Abbreviations key for telecommunication cables

Construction components	VDE	ÖVE
Type		
- telecommunication cable	-	F
- outdoor cable	A	-
- outdoor cable with a construction for lightning protection	AB	-
- mining cable	G	-
- installation cable	J	-
- signal cable	S	-
Tinned conductor	-	v
Core insulation		
- PVC, polyvinylchloride	Y	Y
- PE, polyethylene	2Y	2Y
- foamed PE, foamed polyethylene	O2Y	-
Stranding components		
- stranded in pairs	P	-
- stranded in pairs with an individual static screen	P(ST)	-
- pairs in a metal foil	PiMF	-
- coaxial pair	KxP	-
- multiple twin-quad stranding (Dieselhorst-Martin)	DM	-
- star quad with use of phantom circuits	St	-
- star quad for short-range cables	STI	-
- star quad in subscriber´s cables	STIII	-
- stranding in layers	Lg	-
- stranding in bundles	Bd	-
Armouring and screening		
- screen of copper tape over a PE inner sheath	K	-
- screen of copper tape	-	C
- screen of plastic coated aluminium foil	St	A
- earth wire	-	E
Sheath and protection sheath		
- lead sheath	M	-
- lead sheath with a hardening addition	Mz	-
- PVC sheath or protection sheath	Y	Y
- reinforced PVC protection sheath	Yv	Y3V
- PE sheath or protection sheath	2Y	2Y
- reinforced PE protection sheath	2Yv	2Y3V
- composite-layer sheath	(L)2Y	A2Y
- longitudinally and radially with aluminium tape tightly bonded to the PE sheath	(FL)2Y	JA2Y
- protection sheath made of jute and viscous mass	c	-
- filling of the interstices with petrol jelly	F	J
- steel tape	-	B
- flat wire	-	F
- round wire	-	R
- counter helix	-	G
Supporting element	-	T