

Control Cables

□□□□□ □□ x □
1 2 3 4 5 6 7 8

1. Basic type

N VDE standard
(N) or X as per VDE

2. Insulation material

Y Thermoplastic resins
X Crosslinked thermoplastic resins
G Elastomers
HX Halogen-free materials

3. Cable designation

A Cored cable
D solid wire
AF Fine wire cored cable
F Socket core
L Fluorescent tube cable
LH Connecting cable light
mechanical load
MH Connecting cable
medium mechanical load
SH Connecting cable
heavy mechanical load
SSH Connecting cable special load
SL Control cable/welding cable
S Control cable
LS Light control cable
FL Flat cable
Si Silicone cable
Z Twin cable
GL Glass filament
Li Stranded core to VDE 0812
LiF Stranded core to VDE 0812,
superfine wire

4. Special features

T Support wire
Ö Enhanced oil resistance
U Flame-retardant
w Heat resistant, weather resistant
FE Insulation retained for a limited
time
C Screen braiding
D Screening as envelope
with copper wire
S Steel wire braid as
mechanical protection

5. Sheaths

as point 2. Insulating material
P/PUR polyurethane

6. Protective conductor

-O without protective conductor
-J with protective conductor

7. Number of cores

... No. of cores

8. Conductor cross-section

in mm²

Example: **NSHTÖU 24G 1.5**
ÖLFLEX® CRANE NSHTÖU - VDE approved, 24-core
with protective conductor, cross-section 1.5mm²

Harmonised Cables

□□ □□□ - □ □□□
1 2 3 4 5 6 7 8 9

1. Basic type

H harmonised type
A national type

2. Rated voltage

01 100/100Volt
03 300/300Volt
05 300/500Volt
07 450/750Volt

3. Insulation material

V PVC
V2 PVC +90 °C
V3 PVC cold-flexible
B Ethylenpropylen rubber
E PE Polyethylene
X XPE, crosslinked PE
R Rubber
S Silicone rubber

4. Outer/inner sheath material

V PVC
V2 PVC +90 °C
V3 PVC cold-flexible
V5 PVC with enhanced oil resistance
R Rubber
N Chloroprene rubber
Q Polyurethane
J Glass fibre braid
T Textile braid

5. Special features

C4 Copper screen braiding
H Flat cable, separable
H2 Flat cable, not separable
H6 Flat cable, not separable, for lifts
H8 Helical/spiral cable

6. Conductor type

U Single wire
R Multi-wire
K Fine wire (static)
F Fine wire (flexible)
H Superfine wire
Y Tinsel wire
D Fine wire core for welding cable
E Superfine core for welding cable

7. Number of cores

... No. of cores

8. Protective conductor

X without protective conductor
G with protective conductor

9. Conductor cross section

in mm²

Example: **H05 VV-F 3G 1.5**
medium PVC sheathed cable 3-core with protective
conductor, cross-section 1.5 mm²

Telephone Cables and Leads

□□ - □□□ □ x □ x □ □□
1 2 3 4 5 6 7 8 9 10

1. Basic type

A Outside cable
G Mine cable
J Installation cable
Li Rubber sheathed cable
S Jumper cable

2. Additional information

B Lightning protection make-up
J Induction protection
E Electronics

3. Insulation material

Y PVC
2Y Polyethylene
O2Y Cellular-PE
5Y PTFE
6Y FEP
7Y ETFE
P Paper

4. Make-up features

F Petroleum jelly filling
L Aluminium sheath
LD Corrugated Al sheath
(L) Aluminium strip
(ST) Metal foil screen
(K) Copper strip screen
(C) Copper braid screen
(Z) Steel wire braid
W Corrugated steel sheath
M Lead sheath
Mz Special lead sheath
b Armouring
c Jute sheath + ground
E Ground layer + strip

5. Sheath material

(see 3. insulation)

6. Number of elements

... number of stranding elements

7. Stranding elements

1 Single core
2 Pair

8. Conductor diameter

... in mm

9. Stranding element

F star-quad (railway)
St star-quad (phantom)
StI star-quad (trunk cable)
StIII star-quad (local cable)
TF star-quad for TF
S signal cable (railway)
PiMF screened pair

10. Type of stranding

Lg twisted in layers
Bd twisted in bundles

Example: **A2Y(L)2Y 6 x 2 x 0.8 Bd**
Telephone cable for local network with
PE insulation and composite layer sheath