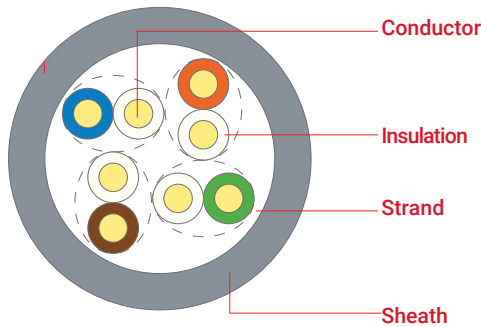




Cable structure



Electrolytic copper wire, Ø 0.50 mm (PDV)
Tinned copper wire, Ø 0.50 mm (PDV-K)

HDPE, in compliance with IEC 60708 insulation colour coding
80°C, EN 50290-2-23
Double stranding up to 10 pairs,
10 pairs 5 quad (bundle),
Core is produced by bundling >10 pairs.
PVC - RAL 7001 Grey
TM51 EN 50290-2-22, YM1 DIN VDE 0207-5

Application

The PE, Polyethylene insulated and PVC sheathed cable range is used as telephone cables in fixed interior installations in dry or wet areas. Used in telephone switchboards and subscriber distribution networks.

Standards

ISO/IEC 11801 2nd ed., IEC 61156-5
EN 50173-1, EN 50288-3-1
ANSI EIA/TIA 568-C.2

Specifications

Temperature range		-30°C ...+70°C
Bending radius	min.	10 x D
Conductor resistance	max.	97.8 Ω/km
Insulation resistance	min.	5000 MΩ x km
Capacitance	max.	56 nF/km
Capacity imbalance max.		400 pF/500 m
Test voltage		1000 V
Operating voltage	max.	250 V

Fire performance

Vertical flame propagation EN 60332-1-2 (LSZH-PVC)
Corrosive gas EN 60754-1/2 (LSZH)
Smoke density EN 61034-2 (LSZH)

EU declaration of conformity

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

PDV					
Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	
401018	1x2x0.50 mm+0.50 mm	3.0	5	13	
401019	2x2x0.50 mm+0.50 mm	4.1	9	20	
401020	3x2x0.50 mm+0.50 mm	4.3	12	25	
401021	4x2x0.50 mm+0.50 mm	4.7	16	31	
401022	5x2x0.50 mm+0.50 mm	5.1	19	36	
401023	6x2x0.50 mm+0.50 mm	5.7	23	44	
401025	10x2x0.50 mm+0.50 mm	6.7	37	64	
401027	20x2x0.50 mm+0.50 mm	9.3	72	123	
401029	30x2x0.50 mm+0.50 mm	10.9	108	176	
401031	50x2x0.50 mm+0.50 mm	13.7	178	280	
401032	100x2x0.50 mm+0.50 mm	18.7	362	536	

PDV-K (Tinned)					
Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	
403018	1x2x0.50 mm+0.50 mm	3.0	5	13	
403019	2x2x0.50 mm+0.50 mm	4.1	9	20	
403020	3x2x0.50 mm+0.50 mm	4.3	12	25	
403021	4x2x0.50 mm+0.50 mm	4.7	16	31	
403022	5x2x0.50 mm+0.50 mm	5.1	19	36	
403023	6x2x0.50 mm+0.50 mm	5.7	23	44	
403025	10x2x0.50 mm+0.50 mm	6.7	37	64	
403027	20x2x0.50 mm+0.50 mm	9.3	72	123	
403029	30x2x0.50 mm+0.50 mm	10.9	108	176	
403031	50x2x0.50 mm+0.50 mm	13.7	178	280	
403032	100x2x0.50 mm+0.50 mm	18.7	362	536	

Specifications may vary depending on technical modifications.