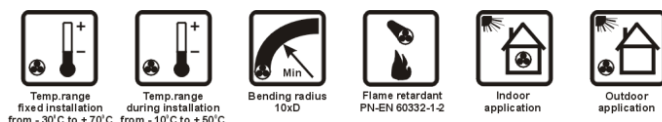


PS-Y-29

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SPECIAL CABLES**APPLICATIONS**

Hybrid cables **PS-Y-29** intended for operation in CCTV networks.

Cables are equipped with coax **WD 75-0,59/3,7** for visual signal transmission and a group of insulated conductors for camera power supply and control signals transmission.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION**coaxial cable WD 75-0,59/3,7**

- soft solid copper conductor, diameter 0.59 mm,
- polyethylene (PE) insulation, diameter 3.7 mm,
- copper wire braid,

LiY wires

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pair,
- pair wrapped in polyester tape,

PS-Y-29 cable

- white (RAL 9010) PVC cable sheath, (8 shape) extruded on the parallel arranged coaxial and pair of insulated conductors, other colours also available.

PS-Y-29

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CHARACTERISTICS

Coaxial cable WD 75-0,59/3,7

Characteristic impedance	75 ± 3 Ω
Capacitance at 1 kHz, approximate	67 nF/km
Velocity of propagation	66 %
DC resistance at 20°C, approximate	
inner conductor	63 Ω/km
outer conductor	27.2 Ω/km
Attenuation loss [dB/100m] average - at frequency [MHz]:	
1	1.0
50	7.4
100	10.5
200	15.1
300	18.8
500	24.8
800	32.0
1000	36.3
1500	45.6
2000	55.7
2400	56.9

LiY wires

Operating voltage U ₀ /U	300/300 V
Operating voltage, peak value	500 V
Voltage test	1500 V rms
DC conductor resistance at 20°C, maximum:	
conductor 0.50 mm ²	39.0 Ω/km
conductor 0.75 mm ²	26.0 Ω/km
conductor 1.0 mm ²	19.5 Ω/km
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km

Cable PS-Y-29

Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 10 to + 50°C
Minimum bending radius	10 x cable diameter
Cable combustibility	flame retardant
Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
Reference standards	
coaxial cable	PN-91/T-90601, IEC 61156-1
LiY wires	DIN VDE 0812

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Cable type	Construction	Outer dimensions (appr.)	Copper index	Cable weight (appr.)
			mm	kg/km	kg/km
0211 013	PS-Y-29-A	Y(WD 75-0,59/3,7 + 2 x LiY 0,5 mm ²)	5.9x11.3	25.5	77.0
0211 014	PS-Y-29-B	Y(WD 75-0,59/3,7 + 2 x LiY 0,75 mm ²)	5.9x11.8	30.5	85.5
0211 021	PS-Y-29-C	Y(WD 75-0,59/3,7 + 2 x LiY 1,0 mm ²)	5.9x12.0	34.0	92.0

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.