



Cables for control systems for inner placement with PE insulation



Application:

Cables suitable for inner placement for fixed installation of signal, measuring, controlling and automation systems.

Cable construction:

- **Number of cores:** 2 - 24
- **Cable cores:** copper conductor cl. 1
- **Nominal diameter:** 0,8 mm; 1,0 mm
- **Insulation:** PE
- Cores are stranded in layer.
- **Shield construction:** PET tape + AlPET tape with CuSn wire
- **Sheath cable:** PVC
- **Colour of sheath:** blue or other if required

Technical data:

- **Nominal voltage:** for Cu conductor \varnothing 0,8mm - 250 V
for Cu conductor \varnothing 1,0mm - 380 V
- **Test voltage :** 1500 V
- **Effective resistance of conductor, max.:** 0,8 mm - 36,0 Ω /km
1,0 mm - 25,0 Ω /km
- **Operating temperature:** 15 °C to +70 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 15 x cable diameter

Marking:

- Colour coded acc. to STN EN 60446
- | position | letter | meaning |
|----------|--------|---|
| 1. | J | signal cable |
| 2. | E | PE, polyethylene |
| 3. | X | AlPET tape of min. thickness 10 μ m |
| 4. | Y | PVC, polyvinyl chloride |



Application table:

Number of conductors	Cu conductor \varnothing 0,8 mm			Cu conductor \varnothing 1,0 mm		
	Nominal thickness of sheath mm	Outer diameter (appr.) mm	Weight (appr.) kg/km	Nominal thickness of sheath mm	Outer diameter (appr.) mm	Weight (appr.) kg/km
2	1,0	6,3	41	1,0	6,6	52
3	1,0	6,6	49	1,0	7,4	64
4	1,0	7,2	59	1,0	8,2	79
5	1,0	7,7	68	1,0	9,0	93
7	1,0	8,3	84	1,0	9,6	116
10	1,2	10,1	122	1,2	11,2	163
12	1,2	10,6	138	1,2	11,8	188
14	1,2	11,1	154	1,2	13,0	215
16	1,2	11,6	171	1,2	13,5	238
19	1,2	12,1	193	1,2	15,0	278
24	1,4	14,0	248	1,4	17,0	352

