CABLES / KÁBLE



5. INDUSTRIAL CABLES / 5.2 PVC (PE) / CYL... / CYL...i n x m



Multi-conductor flexible cables with stranded core and PVC insulation and sheath

* VUKI a.s. * CYLSY-i 4x1 *1234 m





Application:

CYL ... cables are special flexible data cables which are used for demanding industrial environment. Blue outer sheath cables are designed for intrinsically safe environment (- i). They are used as flexible, controlling and measuring cables for measuring and regulating devices. Different types of shielding ensure unimpeded transmission of signals.

Cable construction:

- Cable cores: stranded Cu conductors with cross-section: 0,14; 0,35; 0,5; 0,75; 1,0; 1,5; 2,5 mm²
- Insulation: special PVC material
- Filler from PET foil is placed above the coiled cores
- Shield construction:
 - F AlPET foil + enclosed CuSn wire
 - O- Cu braiding with min. covering 70 % for execution CYL...-i with min. covering 85 %
 - S CuSn braiding with min. covering 70 % for execution CYL . . . i with min. covering 85 %
 - $\rm J\text{-}$ $\,$ longitudinal AIPET foil + CuSn braiding with min. covering 45 %
- Sheath cable: Y PVC, E PE
- Letter i: Intrinsically safe execution with guaranteed induction and operating capacity, colour of sheath: blue
 When 4th letter in letter mark is missind, cable is unshielded.

Technical data:

Operating temperature: -30 °C to +70 °C
 Min. temperature for laying: -5 °C

- Colour of chamble Unit or
- Colour of sheath: black or other if required

Marking:

Numeric marking:

n - number of conductors in cable

m - core cross-section

Conductor colour: white, blue, red green, yellow, black, brown, grey, orange, purple Conductor colour may be other if required.



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Tec	hnical	data:
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Nominal cross-section [mm²]	0,14	0,35	0,5	0,75	1	1,5	2,5
Min. thickness insulation [mm]	0,2	0,3	0,4	0,5	0,6	0,7	0,8
Effective resistance of conductors [Ω /km]	131,0	60,0	39,0	26,7	19,5	13,3	7,98
Test voltage [kV]	0,5	1	1	1	1,5	1,5	2,0
Nominal voltage [V]	30	100	100	100	100	100	100
Inductance for types CYLi [mH/km]	appr. 0,67						
Operating pair capacity for unshielding cable [nF/km]	appr. 120						
Operating pair capacity for shielding cable [nF/km]	аррг. 140						



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VUKI a.s., Rybničná 38, SK - 831 07 Bratislava, Tel.: +421 2 4488 9906, Fax: +421 2 4488 2927

e-mail: vuki@vuki.sk, www.vuki.sk