ÜNKA KABLO

PT1TY1 ISCR OSCR

APPLICATION RANGE

In measurement and control engineering
Electrically intended for use when modern process computers have to process large volumes of data, e.g. high-capacity computer systems in waste incineration plants or sewage treatment plants
These cables are suitable for fixed installation in dry or damp rooms and, in case of versions with a black outer sheath, also for outdoor use

CONSTRUCTION

Conductor	**Stranded electrolytic copper wire Class1, 2 & 5 (BS EN 60228:2005)**
Insulation	**PE (Polyolethylen) Compound (EN 50290-2-23)**
Colour Code	**BS 5308-1**
Individual Screen	**PES Tape + Tinned Copper Drain Wire (0,5 mm2) + AL-PES Tape**
Stranding	**Pairwise, Screened pairs in layers**
Wrapping	**PES Tape**
Overall Screen	**Tinned Copper Drain Wire (0,5 mm2) + AL-PES Tape**
Sheath	**PVC (Polyvinyl Chloride) Compound (EN 50290-2-22)**
Sheath Colour	**RAL 9005 Black ; RAL 5015 Blue**

TECHNICAL SPECIFICATION

Temperature Range	**-30°C to +70°C (Fixed Installation)**
Minimum Bending Radius	**7,5 x outer diameter**
Flame Retardant	**Test on single cable : IEC 60332-1-2** **Test on bunched cable: IEC 60332-3-24 (Cat. C)**

ELECTRICAL SPECIFICATION

Conductor cross-section	**nom.**	**mm2**	**0,5**	**0,75**	**1**	**1,3**	**1,5**
Insulation resistance	**min.**	**MΩxkm**	**5000**				
Mutual capacitance	**max.**	**nF/km**	**100**	**100**	**100**	**100**	**100**
Inductance	**max.**	**mH/km**	**1**				
Capacitance unbalance	**max.**	**pf/500 m**	**500**				
L/R ratio	**max.**	µH/Ω	**25**			**40**	
Test voltage Urms (core:core)		**V**	**2000**				
Test voltage Urms (core:screen)		**V**	**2000**				
Operating Voltage		**V**	**300/500**				

CE REACH COMPLIANT RoHS COMPLIANT FLAME RETARDANT UKAS QUALITY MANAGEMENT 001 CPR

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CROSS SECTION	OUTER DIA.	G
mm2	mm	Kg/Km
2x2x0,5	10,10	90,9
3x2x0,5	10,90	119,6
5x2x0,5	13,20	172,7
10x2x0,5	18,80	323,1
15x2x0,5	21,80	455,1
20x2x0,5	24,60	589,4
2x2x0,75	10,80	104,7
3x2x0,75	11,70	139,5
5x2x0,75	14,20	204,1
10x2x0,75	20,30	385,0
15x2x0,75	23,80	558,7
20x2x0,75	26,70	722,7
2x2x1	11,00	118,1
3x2x1	12,10	166,1
5x2x1	14,50	236,7
10x2x1	20,60	448,8
15x2x1	24,20	654,4
20x2x1	27,20	850,4
2x2x1,5	12,70	155,2
3x2x1,5	13,70	209,7
5x2x1,5	16,70	313,9
10x2x1,5	24,00	610,0
15x2x1,5	27,80	871,0
20x2x1,5	31,40	1135,9
2x2x2,5	14,30	203,2
3x2x2,5	15,70	287,3
5x2x2,5	19,10	434,7
10x2x2,5	27,50	846,3
15x2x2,5	31,90	1216,1
20x2x2,5	36,20	1609,0