

Description: Paired Data Cable With Din 47100 Colour Code, Braid Screened Low Smoke Halogen Free (LSHF) Throughout

NILTOX®



Construction

Conductor Material : Bare Copper, Class 5
 Insulation Material : Low Smoke Halogen Free (LSHF)
 Separator Tape : Polyester Tape
 Overall Screen : Tinned Copper Braid
 Sheath Material : Low Smoke Halogen Free (LSHF)
 Sheath Colour : Grey
 Core Identification : DIN 47100 (see attached)

Electrical Characteristics

Conductor Resistance : BS EN 60228
 Insulation Resistance : > 200 MΩ.M
 Working Voltage : 300/500V
 Test Voltage (AC) : 2000V

Physical Characteristics

Overall Diameter : See Table
 Bend Radius : Flexing 15 x OD
 Static 7.5 x OD
 Temperature Rating : Flexing +5°C to +70°C
 Static -20°C to +70°C
 Weight : See Table

Standards

Flame Retardant : BS EN 60332-1-2
 Low Smoke Generation : BS EN 61034-2
 Halogen Gas Emission : BS EN 60754-1&2
 RoHS3 Compliant : Yes
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)

Part No.	Pairs x mm ²	Weight kg/km	OD mm	Part No.	Pairs x mm ²	Weight kg/km	OD mm	Part No.	Pairs x mm ²	Weight kg/km	OD mm
31600102-E00	2x2x0.14	36	5.3	31600302-E00	2x2x0.34	67	7.3	31600702-E00	2x2x0.75	106	8.9
31600103-E00	3x2x0.14	47	5.9	31600303-E00	3x2x0.34	91	7.8	31600703-E00	3x2x0.75	138	10.0
31600104-E00	4x2x0.14	65	6.7	31600304-E00	4x2x0.34	109	9.5	31600704-E00	4x2x0.75	165	11.6
31600106-E00	6x2x0.14	86	8.1	31600306-E00	6x2x0.34	140	10.0	31600706-E00	6x2x0.75	242	13.7
31600107-E00	7x2x0.14	94	8.7	31600307-E00	7x2x0.34	155	11.0	31600707-E00	7x2x0.75	259	13.8
31600112-E00	12x2x0.14	134	10.1	31600312-E00	12x2x0.34	246	13.7	31600712-E00	12x2x0.75	439	16.8
31600201-E00	1x2x0.25	21	4.8	31600501-E00	1x2x0.5	42	5.8				
31600202-E00	2x2x0.25	44	5.9	31600502-E00	2x2x0.5	76	7.6				
31600203-E00	3x2x0.25	65	6.5	31600503-E00	3x2x0.5	108	8.3				
31600204-E00	4x2x0.25	80	7.2	31600504-E00	4x2x0.5	135	10.2				
31600206-E00	6x2x0.25	114	9.0	31600506-E00	6x2x0.5	168	11.3				
31600207-E00	7x2x0.25	121	9.4	31600507-E00	7x2x0.5	186	11.9				
31600212-E00	12x2x0.25	173	10.9	31600512-E00	12x2x0.5	331	14.7				

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Din 47100 Colour Code

1 White	14 Brown/Green	27 Grey/Green	40 Pink/Red
2 Brown	15 White/Yellow	28 Yellow/Grey	41 Grey/Black
3 Green	16 Yellow/Brown	29 Pink/Green	42 Pink/Black
4 Yellow	17 White/Grey	30 Yellow/Pink	43 Blue/Black
5 Grey	18 Grey/Brown	31 Green/Blue	44 Red/Black
6 Pink	19 White/Pink	32 Yellow/Blue	
7 Blue	20 Pink/Brown	33 Green/Red	
8 Red	21 White/Blue	34 Yellow/Red	
9 Black	22 Brown/Blue	35 Green/Black	
10 Violet	23 White/Red	36 Yellow/Black	
11 Grey/Pink	24 Brown/Red	37 Grey/Blue	
12 Red/Blue	25 White/Black	38 Pink/Blue	
13 White/Green	26 Brown/Black	39 Grey/Red	