

**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  
 RoHS Compliant : Yes  
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)  
 CPR Classification : Eca (EN50575:2014+A1:2016)  
 UV & Weather Resistant : ISO 4892-3 (Subject to manufacturer)

Part No.	Pairs x mm <sup>2</sup>	Weight kg/km	OD mm
31600102-E00	2x2x0.14	36	5.3
31600103-E00	3x2x0.14	47	5.9
31600104-E00	4x2x0.14	65	6.7
31600106-E00	6x2x0.14	86	8.1
31600107-E00	7x2x0.14	94	8.7
31600112-E00	12x2x0.14	134	10.1
31600201-E00	1x2x0.25	21	4.8
31600202-E00	2x2x0.25	44	5.9
31600203-E00	3x2x0.25	65	6.5
31600204-E00	4x2x0.25	80	7.2
31600206-E00	6x2x0.25	114	9.0
31600207-E00	7x2x0.25	121	9.4
31600212-E00	12x2x0.25	173	10.9

Part No.	Pairs x mm <sup>2</sup>	Weight kg/km	OD mm
31600302-E00	2x2x0.34	67	7.3
31600303-E00	3x2x0.34	91	7.8
31600304-E00	4x2x0.34	109	9.5
31600306-E00	6x2x0.34	140	10.0
31600307-E00	7x2x0.34	155	11.0
31600312-E00	12x2x0.34	246	13.7
31600501-E00	1x2x0.5	42	5.8
31600502-E00	2x2x0.5	76	7.6
31600503-E00	3x2x0.5	108	8.3
31600504-E00	4x2x0.5	135	10.2
31600506-E00	6x2x0.5	168	11.3
31600507-E00	7x2x0.5	186	11.9
31600512-E00	12x2x0.5	331	14.7

Part No.	Pairs x mm <sup>2</sup>	Weight kg/km	OD mm
31600702-E00	2x2x0.75	106	8.9
31600703-E00	3x2x0.75	138	10.0
31600704-E00	4x2x0.75	165	11.6
31600706-E00	6x2x0.75	242	13.7
31600707-E00	7x2x0.75	259	13.8
31600712-E00	12x2x0.75	439	16.8

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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	