

Two New Extremelife-60 DeviceNet Cable Now Available

Turck has two new Extremelife-60 cables available for DeviceNet applications – cable types 5738 and 5728. By using Turck’s specially engineered proprietary jacket material, these two DeviceNet cables offer customers unparalleled approvals. The 600V cables include approvals such as UL TC-ER Direct Burial, and CIC/TC Direct Burial. The full list of approvals is:

UL 1309 Marine Shipboard

IEEE 1202/FT4

IEEE 1580-2010 Marine Shipboard

American Bureau of Shipping (ABS) Certified

UL TC-ER Direct Burial, 90C Dry/90C Wet 600V

ITC-ER Direct Burial, PLTC-ER Direct Burial, 105C 300V

CIC/TC-ER Direct Burial 90C Dry/90C Wet 600V

FT1 & FT4 Flame Ratings

Compliant with IEC 60332-3-22 Flame Test

RohS 2 Compliant, CE

Sunlight Resistance

Oil Resistance (Oil Res I & II)

-60°C Cold Bend

-40°C Cold Impact

For full cable specifications, please see the table below:

TYPE	POWER PAIR		DATA PAIR		OUTER JACKET	SHIELD	BULK CABLE PART NUMBER/WEIGHT/300M
	AWG Color Code	DCR (/1000ft) Insulation	AWG Color Code	Characteristic Impedance @ 1MHz/Insulation	Material Color Nominal OD	TYPE Drain Wire	
5738 10C, 600V	2X15 AWG BK/RD	3.6 Ohms PVC	2X18 AWG BU/WH	120 Ohms XLPE	EX60, GRAY, 13.5mm (.530in)	Foil/braid, 18awg	RF52340-*M, 169 lbs.
5728 105C, 600V	2X16 AWG BK/RD	4.1 Ohms PVC	2X18 AWG BU/WH	120 Ohms XLPE	EX60, BLACK, 13.5mm (.530in)	Foil/braid, 18awg	RF52010-*M, 173 lbs.

With the introduction of these two new DeviceNet cables, we will be removing a legacy cable from our inventory – Turck cable type 5720 (ID #: 10150793). This cable is similar to both cables listed above. However, it does not carry nearly as many approvals, has proven difficult to procure from the supplier, and is substantially more expensive. We will phase this cable out in 2017, and it will no longer be available starting in January of 2018. Old part numbers will be made obsolete, and will not be re-activated. The suggested replacement is either 5738 or 5728.

Please see the table below for the obsoleted cable specifications:

TYPE	POWER PAIR		DATA PAIR		OUTER JACKET	SHIELD	BULK CABLE PART NUMBER/WEIGHT/300M
	AWG Color Code	DCR (/1000ft) Insulation	AWG Color Code	Characteristic Impedance @ 1MHz/Insulation	Material Color Nominal OD	TYPE Drain Wire	
5720 75C, 600V	2X16 AWG BK/RD	4.9 Ohms PVC	2X18 AWG BU/WH	120 Ohms HDPE	PVC, GRAY, 13.3mm (.525in)	Foil/braid, 16awg	RB50793-*M, 168 lbs.