

Division Updates – The Latest in Sensors, Connectivity and Fieldbus Technology

Connectivity

Field Notice: Two New Extremelife-60 DeviceNet Cables Are 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
- RohS2 Compliant, CE
- Sunlight Resistance
- Oil Resistance (Oil Res I & II)
- -60°C Cold Bend
- -40°C Cold Impact

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			
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, or feel free to contact product management directly for additional alternatives based on customer needs.

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			
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.