

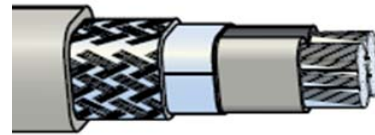
# #2551 TFL492325/0 2x10mm<sup>2</sup> (2x 8AWG) Black, UV Stabilised

*Shielded power cable used in any 2-wire DC RRU or other application, for outdoor and indoor environment*



## RG Wire & Cable Ltd

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## #2551 - TFL492325/0

### Product Description

**Application:**  
Cable for power supply in telecom equipment where there are demands for halogen free insulation and sheath, UV stabilised can be used for outdoor as well.

### Cable Construction

- |                        |   |
|------------------------|---|
| 1. Conductor           | Stranded and tin plated Cu                    |
| Wire gauge             | 2x 10mm <sup>2</sup> (2x 8 AWG)               |
| 2. Insulation (2-core) | LSZH  |
| Nom. thickness (mm)    | 0.70  |
| Nom. dimension (mm)    | 3.90 x 8.80                                   |
| Color                  | Black and grey                                |
| 3. Foil shield         | AL/PET 125% coverage                          |
| 4. Braid shield        | Tin plated copper clad aluminum               |
| Braid pitch            | 162/0.20 (6 mesh/inch)                        |
| 5. Jacket              | LSZH  |
| Nom. thickness (mm)    | 0.70  |
| Nom. dimension (mm)    | 10.5 x 11.5                                   |
| Color                  | Black, UV stabilised                          |
| 6. Marking             | RG Wire & Cable #2551 DH4 E477981             |
| (white ink, 2 times/m) | TFL 492325/0 2 X 10MM2 (2 X 8 AWG)            |
|                        | YY/WW Cable Tray Use (UL) Telephone           |
|                        | Central Office Power Cable Sunlight Resistant |
|                        | (Sequential length markers once per meter)    |

### Packaging

500M/Wooden Drum

### Environmental Compliance

- CE: EU Directive 2011/65/EU(RoHS2):  
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS compliance on this item.
- REACH Regulation (EC 1907/2006):  
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.

### Electrical Characteristics

Max. conductor DC resistance at 20C (ohm/km)	1.95
Screen resistance	<5.09 ohm
Operating temperature	-20 (-40 when fixed) to 90
Operating voltage	100V (600V UL)
Test voltage	f=50Hz, 1 minute, 2kV AC
Bending radius	8x outer diameter
Fire resistance	IEC60332-3-24, UL 1685 Vertical Tray
Sunlight resistant	UL1581, 1200
Weight (kg/100m)	27.0

### Reference Standard

1056-TFL 492 32+ Rev B (20151009)  
IEC 60332-1, tests on electric cables under fire conditions  
IEC 60754-2, test on gases evolved during combustion of materials from cables, Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring PH and conductivity.  
UL 83, thermoplastic insulated wires and cables  
UL 94, flammability testing  
UL 1581, reference standard for electrical wires, cables and flexible cords  
UL 1685, vertical tray flame test

CV	Notes	D	R	Date
B01	Update braiding wire	RG	AZ	2015-11-27
B02	Add braid pitch, add reference standard	RG	AZ	2015-12-07
B03	Update cable marking	RG	AZ	2017-02-22
B04	Add "Cu"	AZ	KR	2017-03-18