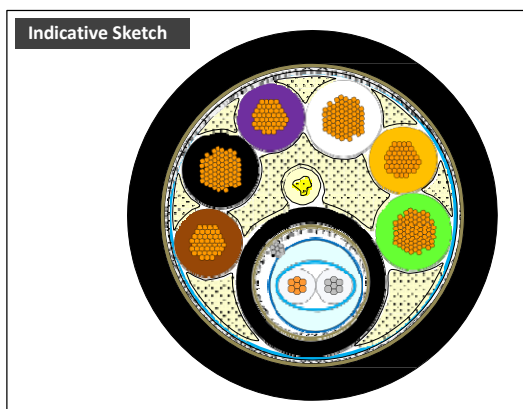


# POINT LIGHTING

PointUSA Power & Data Cable sect. (2 x AWG20)C + 3 x AWG12 + 3 x AWG14 – Braid shielded – TPE jacket  
 ----- AWM Style 20626 (90°C / 600V)

POINT LIGHTING CORPORATION part number: **PL11665-12**



**UL**  
 Homologation UL AWM Style: 20626

**CE** Accordance to Directives:  
 2014/35/UE; 2011/65/CE; 2015/863/UE

**UK CA** Accordance to Directives:  
 Electrical Equipment (Safety) Regulations 2016  
 The Restriction of the Use of Certain Hazardous Substances in  
 Electrical and Electronic Equipment Regulations 2012.

**RoHS**

Printing text (White ink):

**POINTUSA PD-CABLE - PL11665-12 - E172949 - UL AWM STYLE 20626 90°C 600V - AWM I/II A/B 90°C 600V FT1 – (2xAWG20)C 100Ω + 3xAWG12 + 3xAWG14 - CE - RoHS - UKCA “week/year”**

## General construction

### 1xAWG20

**Conductor:** Stranded bare copper wire; Nom. 0.56mm<sup>2</sup> - AWG20; nominal diameter 1mm.  
 Lay agree with UL 758 tab 5.9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.  
**Insulation:** Polyolefin compound; Nominal diameter 2.05mm; Colour core: Natural.

### 1xAWG20

**Conductor:** Stranded tinned copper wire; Nom. 0.56mm<sup>2</sup> - AWG20; nominal diameter 1mm.  
 Lay agree with UL 758 tab 5.9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.  
**Insulation:** Polyolefin compound; Nominal diameter 2.05mm; Colour core: Natural.

**Assembly:** Two cores twisted together; Six twist per foot.

**Protective tape:** Tape over assembly.

**Inner jacket:** Polyolefin compound; Nominal diameter 5.1mm; Colour: Natural.

**Shield:** - Al/PET/Al over inner jacket; Optical coverage 100%.

- Braid type; Tinned copper wire; Nominal optical coverage 85%.

**DW:** Stranded tinned copper wire; Nom. 0.34mm<sup>2</sup> - AWG22; nominal diameter 0.75mm; Under braid shield.

**Jacket:** PVC; hardness 78 ShA; Diameter 8.4 ±0.3mm; Colour Black similar RAL9005.

### 3xAWG12

**Conductor:** Stranded bare copper wire; Nom. 4mm<sup>2</sup> - AWG12; nominal diameter 2.55mm.  
 Lay agree with UL 758 tab 5.9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.

**Insulation:** PVC compound; Nominal diameter 4.3mm; Colour cores: Black – White – Green.

### 3xAWG14

**Conductor:** Stranded bare copper wire; Nom. 2.5mm<sup>2</sup> - AWG14; nominal diameter 2mm.  
 Lay agree with UL 758 tab 5.9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.

**Insulation:** PVC compound; Nominal diameter 3.8mm; Colour core: Brown – Violet – Orange.

**Total assembly:** (2xAWG20)C + 3xAWG12 + 3xAWG14 stranded together around a central filler;  
 Some filler could be used for a better roundness (see indicative sketch)  
**Solid Filler:** Para-aramid fibre (Kevlar®); Density: 1.44 gr/cm<sup>3</sup>; Elongation at break: 3,4 %; Tenacity typical: 600N.

**Total shield:** Braid type; Tinned copper wire; Nominal optical coverage 85%.

**Protective tape:** Tape under and over total shield.

**Jacket:** TPE; hardness 76 ShA; Diameter 20.8 ±0.7mm; Colour Black similar RAL9005; conform to UL AWM style 20626.

**Package:** Wood Spool diameter 1000 mm

Customer responsibility to verify suitability of the product for the intended purpose remains. Processing and application of the goods are outside of our control possibilities. Right to technical changes is reserved

	Revision	Pagina 1 di 2
	Rev.0 08/09/2023 Piazzalunga D.	

# POINT LIGHTING

## Technical data

<b>Electric:</b>	Operating voltage	600 Vrms
	Voltage test	2500 Vac
	Max conductor resistance (AWG14)	9 Ω/Km – 2.8 Ω/1000ft (IEC60344) - 2.5 ohm/1000ft (linear)
	Max conductor resistance (AWG12)	5.2 Ω/Km - 1.6 Ω/1000ft (IEC60344) - 1.4 ohm/1000ft (linear)

<b>Electrical transmission properties 2xAWG20 element @20°C:</b>		
<b>Electrical:</b>	Operating voltage	300 Vrms
	Voltage test	2000 Vac
	Max conductor resistance (bare)	34.1 Ω/Km - 10.4 Ω/1000ft (IEC60344) - 9.9 ohm/1000ft (linear)
	Max conductor resistance (tinned)	34.8 Ω/Km - 10.6 Ω/1000ft (IEC60344) - 10.1 ohm/1000ft (linear)
	Nominal capacitance	50 pF/m - 15.24 pF/ft
Nominal characteristics impedance		100 Ω

<b>Physical:</b>	Operating temperature range	-40°C to +90°C (fixed)
	Operating temperature range	-10°C to +90°C (flex, free movement not continuous)
	Minimum bending radius	10 x D (fixed)
	Minimum bending radius	15 x D (flex, free movement not continuous)
	UV resistant	yes

<b>Chemical:</b>	Silicone, Pb, Cd, Hg, FCKW free	yes
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<b>Flame:</b>	Flame resistant	UL Cable flame test; CSA FT1; IEC 60332-1-2
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	Revision	Pagina 2 di 2
	Rev.0 08/09/2023 Piazzalunga D.	