

**Specification:**

**XLPE INSULATED WIRE  
UL3266 20AWG TS -HF-**

**Description:**

**Rate temperature:**125°C

**Rate voltage:** 300V

**Reference standard:** UL CSA -F-

**Structure:**

**Conductor:**

Size : 20AWG

Construction: 21/0.178mm

Resistance(@20°C,max): 36.7ohm/km

Material: Tinned Annealed Stranded Copper

**Insulation:**

Min Ave Thickness: 0.38mm

Min any point Thickness:0.33mm

Core Dia.: 1.80±0.08 mm

Material: XLPE

Core Color: Optional

**Physical Character:**

**Insulation:**

( 158 ±1.0°C ×168 H )	Unaged	Aged
Tensile Strength	2000 PSI MIN.	80% Unaged MIN.
Elongation	300 % MIN.	80% Unaged MIN.

**Heat Shock Test:** No Crack ( 158 ±1.0°C ×1 H )

**Cold Bend Test:** No Crack ( -10 ±2.0°C ×1 H )

**Deformation Test:** T2/T1 >50% ( 121±1.0°C ×1 H )

**Flame Test:** VW-1

**Spark Test:** 3000V

**Voltage-Withstand Test:** 1500V for 1.5min

**Marking:**

**AWM 3266 20AWG VW-1 125°C 300V E77981**  
**WONDERFUL-D CSA AWM I/II A/B FT1 125°C**  
**300V LL43774 -F- -LF- -HF-**

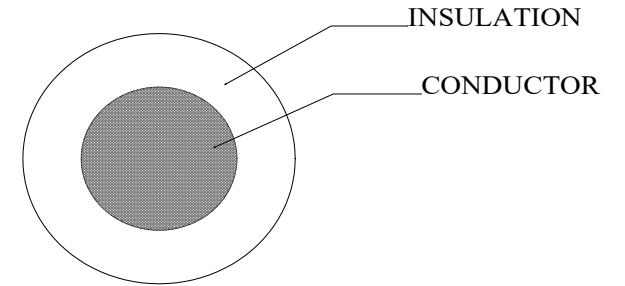
**The Environmental Statement:**

All the parts, materials and products conform to RoHS. Cd<5ppm, Pb<100ppm.Cl<900ppm, Br<900ppm, total halogens <1500ppm

**Remark:**

**The direct-current resistance shall be used for determining conductor size and cross-sectional area. Please see the section 5.3.4 of UL758.**

**Construction Drawing**



**Revised Record**

**Customer Approve**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Wonderful Photoelectricity(Dongguan)Co.,Ltd**

<b>Part No.</b>	<b>E6620TS005</b>		
<b>Approved</b>	Lizhichen	<b>Rev</b>	2.0
<b>Checked</b>	Hehao	<b>Date</b>	2017.04.13
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**Specification:**

**XLPE INSULATED WIRE  
UL3266 24AWG TS -HF-**

**Description:**

**Rate temperature:**125°C

**Rate voltage:** 300V

**Reference standard:** UL CSA -F-

**Structure:**

**Conductor:**

Size : 24AWG

Construction: 11/0.160mm

Resistance(@20°C ,max): 94.2ohm/km

Material: Tinned Annealed Stranded Copper

**Insulation:**

Min Ave Thickness: 0.38mm

Min any point Thickness:0.33mm

Core Dia.: 1.45±0.08 mm

Material: XLPE

Core Color: Optional

**Physical Character:**

**Insulation:**

( 158 ±1.0°C ×168 H )	Unaged	Aged
Tensile Strength	2000 PSI MIN.	80% Unaged MIN.
Elongation	300 % MIN.	80% Unaged MIN.

**Heat Shock Test:** No Crack ( 158 ±1.0°C ×1 H )

**Cold Bend Test:** No Crack ( -10 ±2.0°C ×1 H )

**Deformation Test:** T2/T1 >50% ( 121±1.0°C ×1 H )

**Flame Test:** VW-1

**Spark Test:** 3000V

**Voltage-Withstand Test:** 1500V for 1.5min

**Marking:**

**AWM 3266 24AWG VW-1 125°C 300V E77981**  
**WONDERFUL-D CSA AWM I/II A/B FT1 125°C**  
**300V LL43774 -F- -LF- -HF-**

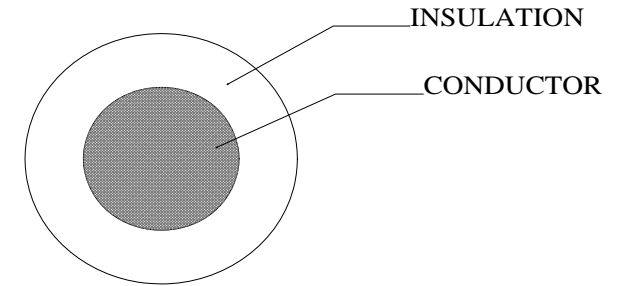
**The Environmental Statement:**

All the parts, materials and products conform to RoHS. Cd<5ppm, Pb<100ppm.Cl<900ppm, Br<900ppm, total halogens <1500ppm

**Remark:**

**The direct-current resistance shall be used for determining conductor size and cross-sectional area. Please see the section 5.3.4 of UL758.**

**Construction Drawing**



**Revised Record**

**Customer Approve**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Wonderful Photoelectricity(Dongguan)Co.,Ltd**

<b>Part No.</b>	<b>E6624TS005</b>		
<b>Approved</b>	Lizhichen	<b>Rev</b>	2.0
<b>Checked</b>	Hehao	<b>Date</b>	2017.04.12
<b>Drawing</b>	Zhuxi	<b>Page</b>	1 of 1

**Specification:**

**XLPE INSULATED WIRE  
UL3266 28AWG TS -HF-**

**Description:**

**Rate temperature:**125°C

**Rate voltage:** 300V

**Reference standard:** UL CSA -F-

**Structure:**

**Conductor:**

Size : 28AWG

Construction: 7/0.127mm

Resistance(@20°C,max): 239ohm/km

Material: Tinned Annealed Stranded Copper

**Insulation:**

Min Ave Thickness: 0.38mm

Min any point Thickness:0.33mm

Core Dia.: 1.25±0.08 mm

Material: XLPE

Core Color: Optional

**Physical Character:**

**Insulation:**

( 158 ±1.0°C ×168 H )	Unaged	Aged
Tensile Strength	2000 PSI MIN.	80% Unaged MIN.
Elongation	300 % MIN.	80% Unaged MIN.

**Heat Shock Test:** No Crack ( 158 ±1.0°C ×1 H )

**Cold Bend Test:** No Crack ( -10 ±2.0°C ×1 H )

**Deformation Test:** T2/T1 >50% ( 121 ±1.0°C ×1 H )

**Flame Test:** VW-1

**Spark Test:** 3000V

**Voltage-Withstand Test:** 1500V for 1.5min

**Marking:**

**AWM 3266 28AWG VW-1 125°C 300V E77981**  
**WONDERFUL-D CSA AWM I/II A/B FT1 125°C**  
**300V LL43774 -F- -LF- -HF-**

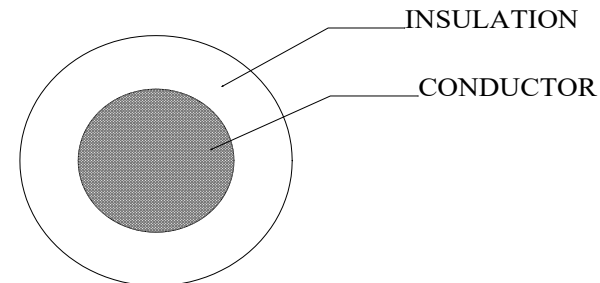
**The Environmental Statement:**

All the parts, materials and products conform to RoHS. Cd<5ppm, Pb<100ppm.Cl<900ppm, Br<900ppm, total halogens <1500ppm

**Remark:**

**The direct-current resistance shall be used for determining conductor size and cross-sectional area. Please see the section 5.3.4 of UL758.**

**Construction Drawing**



**Revised Record**

**Customer Approve**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Wonderful Photoelectricity(Dongguan)Co.,Ltd**

<b>Part No.</b>	<b>E6628TS005</b>		
<b>Approved</b>	Lizhichen	<b>Rev</b>	2.0
<b>Checked</b>	Hehao	<b>Date</b>	2017.04.13
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**Specification:**

**XLPE INSULATED WIRE  
UL3385 16AWG TS HF**

**Description:**

**Rate temperature:**105°C

**Rate voltage:** 300V

**Reference standard:** UL CUL -F-

**Structure:**

**Conductor:**

Size : 16AWG/1C

Construction: 26/0.254±0.010mm

Resistance(@20°C ,max):14.6ohm/km

Material: Tinned Annealed Stranded Copper

**Insulation:**

Min Ave Thickness: 0.38mm

Min any point Thickness: 0.33mm

Core Dia.: 2.27±0.10 mm

Material: XLPE(HALOGEN FREE MATERIAL)

Core Color: Optional

**Physical Character:**

**Insulation:**

( 136 ±1.0°C ×168 H )	Unaged	Aged
Tensile Strength	1500 PSI MIN.	70% Unaged MIN.
Elongation	150 % MIN.	45% Unaged MIN.

**Heat Shock Test:** No Crack ( 136 ±1.0°C ×1 H )

**Cold Bend Test:** No Crack ( -10 ±2.0°C ×4 H )

**Deformation Test:** T2/T1 >50% ( 121±1.0°C ×1 H )

**Flame Test:** VW-1

**Spark Test:** 3000V

**Voltage-Withstand Test:** 2500V for 1min

**Marking:**

**AWM 3385 16AWG VW-1 105°C 300V  
E77981 WONDERFUL-D AWM IA FT1 105°C  
300V -F- -LF- -HF-**

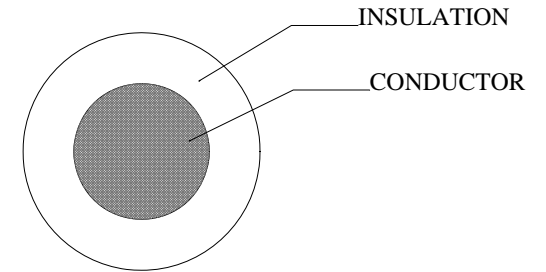
**The Environmental Statement:**

All the parts, materials and products conform to RoHS. Cd<5ppm, Pb<100ppm.Cl<900ppm, Br<900ppm, total halogens <1500ppm

**Remark:**

**The direct-current resistance shall be used for determining conductor size and cross-sectional area. Please see the section 5.3.4 of UL758.**

**Construction Section Drawing**



**Revised Record**

**Customer Approve**

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Wonderful Photoelectricity(Dongguan)Co.,Ltd**

<b>Part No.</b>	<b>E8516TS01F</b>		
<b>Approved</b>	Lizhichen	<b>Rev</b>	2.0
<b>Checked</b>	Hehao	<b>Date</b>	2012-09-21
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