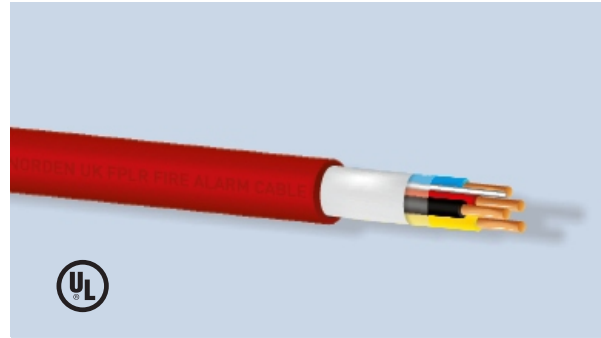


# 4 CORE 16 AWG SHIELDED POWER LIMITED FIRE PROTECTIVE SIGNAL CABLE



The UL listed shielded power limited fire protective signal cable from NORDEN is suitable to use for installation in signaling & fire alarm system. This cable is constructed with PVC Insulation, 100 % Aluminium Foil – Polyester Tape Shield with PVC fire protective outer jacket.



UL File No - E465991

## CABLE CONSTRUCTION

### Conductor

Solid Bare Copper

### Outer Jacket

PVC (UL 1666 Riser)

### Shielding

Aluminium Foil - Polyester Tape

### Insulation

HD PE

### Jacket Colour

Red

### Foil Coverage

100%

### Insulation Colour

4 Core: Red,Black,Yellow,Blue

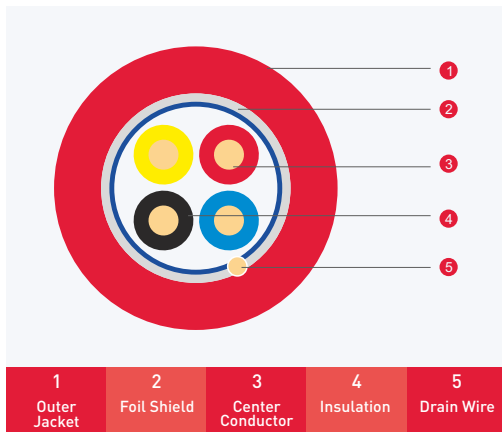
### Standard Packing Mode

305 mtr / Plywood Reel

### Drain Wire

Tinned Copper

## SECTION VIEW



## PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	4
Conductor Size	16AWG
Insulation Diameter	1.65 mm
Drain Wire Size	0.5 mm Solid
Jacket Thickness	0.45 mm
Jacket Diameter	5.37 mm
Max. Recommended Pulling Tension	650 N
Min. Bending Radius Minor Axis	53 mm
Operating Temperature	-20°C to +75°C

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## ELECTRICAL CHARACTERISTICS

Characteristic	Value	Unit
Nom. Conductor DCR	$\Omega/\text{km}$	13.2
Dielectric Strength between Pairs	KV/5min	1.5
Max. Operating Voltage UL	V/min	300

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC
Before Tensile Strength (Mpa)	$\geq 13.8$
Aging Elongation (%)	$\geq 100$
After Tensile Strength (Mpa)	$\geq 85$
Aging Elongation (% of unaged)	$\geq 50$
Cold Bend [-20 $\pm$ °C x 4 hrs]	No Crack
Standard & Environmental	UL Style 2464

## ORDERING INFORMATION

Part Number	Description
75-1204161	4 CORE 16AWG Shielded Power Limited Fire Protective Signal Cable