

Part No: 1601POFPH-C07
Description: 1 x 2 x 16(19)AWG Single Pair Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 16(19)awg
Pair Insulation Material	: Polyethylene (PE)
Number of Pairs	: 1
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 18(16)awg
Sheath Material	: Low Smoke Halogen Free (LSHF)
Sheath Colour	: Grey
Core Identification	: White/Black
Alternative to Belden	: 8719

Electrical Characteristics

Nominal Conductor Resistance @20°C	: < 15.8 Ω/km
Nominal Mutual Capacitance	: Max pF/m 120
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 7.8 ± 0.3mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 86 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)

Part No: 1801POFPH-C07
Description: 1 x 2 x 18(16)AWG Single Pair Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 18(16)awg
Pair Insulation Material	: Polyethylene (PE)
Number of Pairs	: 1
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 20(7)awg
Sheath Material	: Low Smoke Halogen Free (LSHF)
Sheath Colour	: Grey
Core Identification	: White/Black
Alternative to Belden	: 8760

Electrical Characteristics

Nominal Conductor Resistance @20°C	: < 23.8 Ω/km
Nominal Mutual Capacitance	: max pF/m 120
Voltage Rating	: 300v
Test Voltage	: 2000v

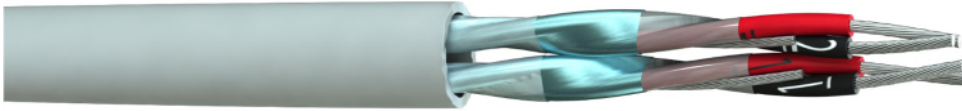
Physical Characteristics

Overall Diameter	: 6.0 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 40 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 1802PIFYH-C07
Description: 2 x 2 x 18(19)AWG Two Pair Individually Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 18(19)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Pairs	: 2
Individual Screen	: Aluminium Foil, Each Pair (100% Coverage)
Drain Wire	: Tinned Copper, 20(19)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black/Red Numbered
Alternative to Belden	: 9368

Electrical Characteristics

Nominal Conductor Resistance	: < 23.4 Ω /km
Insulation Resistance	: min $M\Omega$ *km 1000
Mutual Capacitance	: max nF/km 75
Voltage Rating	: 300/500v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 10.4 $\pm$ 0.3mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 151 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part No: 1806COFRH-C07
Description: 6 x 18(7)AWG Six core Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Bare Copper, 18(7)awg
Pair Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Cores	: 6
Overall Screen	: Overall Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24awg
Sheath Material	: Low Smoke Halogen Free (LSHF)
Sheath Colour	: Blue
Core Identification	: Black, Red, White, Green, Brown, Blue
Alternative to Belden	: 5304FE

Electrical Characteristics

Nominal Conductor Resistance @20°C	: < 23.8 Ω/km
Nominak Mutual Capacitance	: max pF/m 75
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 5.7 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 75 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2002PIFYH-C07
Description: 2 x 2 x 20(7)AWG Two Pair Individually Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 20(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Pairs	: 2
Individual Screen	: Aluminium Foil, Each Pair (100% Coverage)
Drain Wire	: Tinned Copper, 22(19)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black/Red, Green/White
Alternative to Belden	: 9402

Electrical Characteristics

Nominal Conductor Resistance	: < 34.0 Ω/km
Insulation Resistance	: min MΩ*/km 25
Mutual Capacitance	: max nF/km 250
Voltage Rating	: 300/500v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 7.0 ± 0.3mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 65 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part No: 2201POFPH-C07
Description: 1 x 2 x 22(7)AWG Single Pair Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 22(7)awg
Pair Insulation Material	: Polyethylene (PE)
Number of Pairs	: 1
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 22(7)awg
Sheath Material	: Low Smoke Halogen Free (LSHF)
Sheath Colour	: Grey
Core Identification	: White/Black
Alternative to Belden	: 8761

Electrical Characteristics

Nominal Conductor Resistance @20°C	: < 57.4 Ω/km
Nominal Mutual Capacitance	: max pF/m 60
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 5.2 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 39 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2202PIFRH-C07
Description: 2 x 2 x 22(7)AWG Two Pair Individually Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Pairs	: 2
Individual Screen	: Aluminium Foil, Each Pair (100% Coverage)
Common Drain Wire	: Tinned Copper, 24(7)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black/Red, Green/White
Alternative to Belden	: 8723

Electrical Characteristics

Nominal Conductor Resistance	: < 57.4 Ω/km
Insulation Resistance	: > 200MΩ.M
Nominal Mutual Capacitance	: max pF/m 150
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 6.0 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 53 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2202PODGH-C07
Description: 2 x 2 x 22(7)AWG Two Pair Foil & Braid Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Polyethylene (PE)
Number of Pairs	: 2
Overall Screen 1	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 22(7)awg
Overall Screen 2	: Tinned Copper Wire Braid
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Black
Core Identification	: White/Blue Stripe, Blue/White Stripe White/Orange Stripe, Orange/White Stripe
Alternative to Belden	: 3107A

Electrical Characteristics

Nominal Conductor Resistance	: < 57.4 Ω /km
Insulation Resistance	: min $M\Omega \cdot km$ 5000
Nominal Mutual Capacitance	: max pFm 37
Voltage Rating	: 300v
Test Voltage	: 2000v

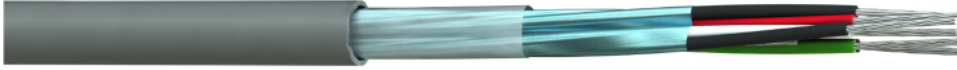
Physical Characteristics

Overall Diameter	: 9.5 $\pm$ 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 98 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2203PIFRH-C07
Description: 3 x 2 x 22(7)AWG Three Pair Individually Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 22(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Pairs	: 3
Individual Screen	: Aluminium Foil, Each Pair (100% Coverage)
Drain Wire	: Tinned Copper, 22(7)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black/Red, Black/White, Black/Green
Alternative to Belden	: 8777

Electrical Characteristics

Nominal Conductor Resistance	: < 57.4 Ω/km
Insulation Resistance	: min MΩ*km 25
Nominal Mutual Capacitance	: max pF/m 155
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 7.0 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +80°C
Weight	: 75 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2401POHPH-C07
Description: 1 x 2 x 24(7)AWG One Pair Foil & Braid Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 24(7)awg
Insulation Material	: Polyethylene (PE)
Number of Pairs	: 1
Overall Screen 1	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24(7)awg
Overall Screen 2	: Tinned Copper Wire Braid (90% Coverage)
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: White/Blue Stripe, Blue/White Stripe
Alternative to Belden	: 9841

Electrical Characteristics

Nominal Conductor Resistance	: < 91 Ω /km
Insulation Resistance	: min $M\Omega \cdot km$ 5000
Nominal Mutual Capacitance	: max pF/m 41
Voltage Rating	: 300v
Test Voltage	: 2000

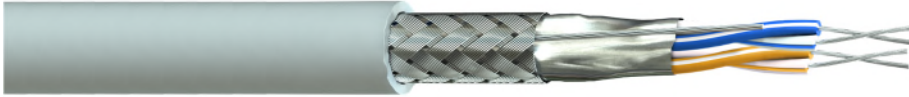
Physical Characteristics

Overall Diameter	: 5.7 $\pm$ 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 46 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2402POHPH-C07
Description: 2 x 2 x 24(7)AWG Two Pair Foil & Braid Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 24(7)awg
Insulation Material	: Polyethylene (PE)
Number of Pairs	: 2
Overall Screen 1	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24(7)awg
Overall Screen 2	: Tinned Copper Wire Braid (90% Coverage)
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: White/Blue Stripe, Blue/White Stripe White/Orange Stripe, Orange/White Stripe
Alternative to Belden	: 9842

Electrical Characteristics

Nominal Conductor Resistance	: < 91 Ω /km
Insulation Resistance	: min $M\Omega \cdot km$ 5000
Impedance	: 120 Ohm $\pm$ 25
Capacitance	: max pF/m 42
Voltage Rating	: 300v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 8.0 $\pm$ 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -20°C to +75°C
Weight	: 68 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2404POFYH-C07
Description: 4 x 2 x 24(7)AWG Four Pair Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 24(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Pairs	: 4
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24(7)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black/Red, Black/White, Black/Green, Black/Blue
Alternative to Belden	: 9504

Electrical Characteristics

Nominal Conductor Resistance	: < 85.9 Ω /km
Insulation Resistance	: min $M\Omega \cdot km$ 25
Mutual Capacitance	: max nF/km 250
Voltage Rating	: 300/500v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: $6.6 \pm 0.2mm$
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 66 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS3 Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2408COFYH-C07
Description: 8 x 24(7)AWG Eight Core Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 24(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Cores	: 8
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24(7)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black, White, Red, Green, Brown, Blue, Orange, Yellow
Alternative to Belden	: 9538

Electrical Characteristics

Nominal Conductor Resistance	: < 85.9 Ω/km
Insulation Resistance	: min MΩ*km25
Capacitance	: max nF/km 250
Voltage Rating	: 300/500v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: 5.7 ± 0.2mm
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 59 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1

Part Number: 2410COFYH-C07
Description: 10 x 24(7)AWG Ten Core Foil Screened Low Smoke Halogen Free (LSHF) Data Cable



Construction

Conductor Material	: Tinned Copper, 24(7)awg
Insulation Material	: Cross Linked Polyethylene (XLPE)
Number of Cores	: 10
Overall Screen	: Aluminium Foil (100% Coverage)
Drain Wire	: Tinned Copper, 24(7)awg
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Grey
Core Identification	: Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Grey
Alternative to Belden	: 9540

Electrical Characteristics

Nominal Conductor Resistance	: < 85.9 Ω /km
Insulation Resistance	: min $M\Omega \cdot km^{25}$
Mutual Capacitance	: max nF/km ²⁵⁰
Voltage Rating	: 300/500v
Test Voltage	: 2000v

Physical Characteristics

Overall Diameter	: $6.4 \pm 0.2mm$
Min. Bend Radius	: 8 x OD
Temperature Rating	: -30°C to +75°C
Weight	: 72 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1
RoHS Compliant	: Yes
CE Compliant	: LVD (2014/35/EU), CPR (305/2011)
CPR Classification	: Cca s1a, d2, a1