# **Detailed Specifications & Technical Data**



### 8777 Multi-Conductor - Shielded Twisted Pair Cable

For more Information please call

1-800-Belden1



#### **General Description:**

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs individually Beldfoil® Shielded (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs         AWG         Stranding         Conductor Material         Dia. (in.)           3         22         7x30         TC - Tinned Copper         .030	
Total Number of Conductors:	6
Insulation	
Insulation Material:	
Insulation Material         Wall Thickness (in.)           PP - Polypropylene         0.011	
Inner Shield Inner Shield Material:	
Layer # Inner Shield Trade Name Type Inner Shield Material	Coverage (%)
1 Beldfoil® Tape Aluminum-Polyester	100.000
Inner Shield Drain Wire AWG:	
<b>AWG</b> 22	
Inner Shield Drain Wire Stranding:	7x30
Inner Shield Drain Wire Conductor Material:	TC - Tinned Copper
Outer Shield	
Outer Shield Material:	
Outer Shield Material	
Unshielded	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.034	
Overall Cable	
Overall Nominal Diameter:	0.273 in.
Pair	
Pair Color Code Chart: Number Color	
1 Black & Red	
2 Black & White	
3 Black & Green	
Pair Lay Length & Direction:	
Lay Length (in.) Twists (twist/ft) Direction	
1.750 6.900 Left Hand	
Mechanical Characteristics (Overall)	
Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	39 lbs/1000 ft.
Max. Recommended Pulling Tension:	79 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

# **Detailed Specifications & Technical Data**

### ENGLISH MEASUREMENT VERSION



## 8777 Multi-Conductor - Shielded Twisted Pair Cable

Net Articles:         OM           Net Articles:         00           Generations:         0.0           Generations:         0.0           Generations:         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (ELV):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           EU Density 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):           Statusty 2000 SIDE: (FORE):         Ves 2010 (00 V 00°C):	Net Articles:         DM           Net Articles:         000           Generatives:         040           Generatives:         040           Generatives:         040           Generatives:         040           Generatives:         040           Generatives:         040           Generatives:         Ves           Generative:         Ves           Seconstructure:         Ves	Applicable Standards & Environmental Programs	
CBC.CULU Specification:         CM           AVM.Specification:         U. Soly 2891 000 V 80°C)           EU Dective 2009/ESC UP(00151):         Yes           EU Dective 2009/ESC (RoHS):         Yes           Eutorette:         Yes	CBC-CUUL Specification:         CM           AVM Specification:         LL Syst 2319 (30 V 80°C);           EU Directive 2003/81/EC (LU):         Yes           EU Directive 2003/81/EC (RHS):         Yes           EU Directive 2003/81/EC (BPR):         Yes           Eutorective 2003/81/EC (BPR):         Yes           Informe 739 (China Rolds):         Yes           Statistify         Yes           Eutorective 2003/81/EC (BPR):         Yes           Statistify         Yes           Statistify </th <th>NEC/(UL) Specification:</th> <th>CM</th>	NEC/(UL) Specification:	CM
AVM Specification:     UL Skyle 2919 (30 V 691C))       EU Deckive 2014/6/EU (ROUSI):     Yes       EU Ce Mark:     Yes       EU Deckive 2005/SEC (ELV):     Yes       Mi Order 30 (China RoH5):     Yes       Stability:     Indoor:       Ves     Stability:       Stability:     No       Plenum Number:     Yes       Plenum Number:     No       Plenum Number:     No       Stability:     No       Stability:     No       Stability:     No       Plenum Number:     No       Stability:     No	AMM Specification:         UL 8xyle 2019 (20 V APC)           EU Cartesine 2010 (2015):         Yes           EU Directine 2010 (2016):         Yes           EU Fame Test:         UL 100 (2011)           UL Fame Test:         Ves           Plenum (YN):         No           Restance Conductor to Conductor:         Soff (2017)           Ganderance:         Soff (2017)           Ganderance:         Soff (2017)           Ganderance (201	NEC Articles:	800
EU Directive 2011/05/EU (ROHS II):         Yes           EU Directive 2020/55/EC (RUY):         Yes           EU Directive 2020/55/EC (RUYE):         Yes           EU Directive 2020/55/EC (RUYE):         Yes           CA Prop 65 (C1/W Re 2 Gable):         Yes           MI Order 439 (China RoHS):         Yes           VL Rame Test:         UL 1065/UL Loading           CSA Fiame Test:         UL 1065/UL Loading           GSA Fiame Test:         UL 1065/UL Loading           Plenum (WR):         No           Plenum Nomber:         82777, 7777, 82777           Cortrical Characteristics (Overall)	EU Directive 2011/KSEU (RONS II):         Yes           EU Directive 2003/KSEC (EUY):         Yes           EU Directive 2003/KSEC (RONS):         Yes           CA Prop 65 (CJ for Wire & Cable):         Yes           III Order 30 (China RoIS):         Yes           III Coder 30 (China RoIS):         Ye	CEC/C(UL) Specification:	СМ
EU CE Mark:         Yea           EU Directive 2002/05/EC (EV/F):         Yes           EU Directive 2002/05/EC (RVFS):         Yes           Mit Order #53 (China RoHS):         Yes           U Fame Test:         UL 1685 UL Loading           C5A Plane Test:         UL 1685 UL Loading           C6A Plane Test:         FT1           Variation// Nit:         No           Penum Number:         B077. 8777. 82777           Borton Test:         No           Penum Number:         B077. 8777. 82777           Borton Test:         Infordance:           Infordance:         Infordance:           Infordance:         Infordance:           Infordance:         Infordance:           Infordance:         Infordance:           Infordance:         Infordance:           Infordance:         Infordance:	EU CE Mark:         Yes           EU Directive 2002/BSEC (ROYE):         Yes           EU Directive 2002/BSEC (ROYE):         Yes           EU Directive 2002/BSEC (ROYE):         Yes           EU Directive 2002/BSEC (WEEE):         Yes           EU Faine Test:         UL 1985 UL Loading           CSA Plane Test:         F11           Ut Faine Test:         UL 1985 UL Loading           CSA Plane Test:         F71           Warnam/Non-Plenum         Perum Number:           Perum Number:         8077, 8777, 8277           Born Cascleristics (Overall)         No           om. Cascleristics (Overall)         Sonon.           om. Cascleristics (Overall)         Sonon.           om. Cascleristics (Directoris & Shield:         Sonon.           Gascleristic (Grift)         Sonon.           Sonon.         Cascleristic (Grift)           Sonon.         Sonon.           Sonon.         Sononmintoon f           Sonon. </td <td>AWM Specification:</td> <td>UL Style 2919 (30 V 80°C)</td>	AWM Specification:	UL Style 2919 (30 V 80°C)
EU     Unective 2002/SHEC (ELV):     Yes       EU     Directive 2002/SHEC (VELV):     Yes       EU     Reid Compliance Data (mm/ddyyyy):     01/01/2004       EU     Directive 2002/SHEC (VELF):     Yes       EU     Directive 2002/SHEC (VELF):     Yes       EU     Directive 2002/SHEC (VELF):     Yes       MID Order 893 (China RoH5):     Yes       IM     Directive 2002/SHEC (VELF):     Yes       MID Order 893 (China RoH5):     Yes       UL Films Test:     UL 1085 UL Loading       CSA Flams Test:     UL 1085 UL Loading       CSA Flams Test:     UL 1085 UL Loading       CSA Flams Test:     UL 1085 UL Loading       Composition Composition:     Yes       Statistity - Indoor:     Yes       Statistity - Indoor:     Yes       Renum (Non-Plenum     Plenum (Non-Plenum       Plenum Number:     08/077. 8777. 82777       Cotrical Characteristics (Overall)     Order Statistics       order Statistics (Direction Conductors:     Capacitance (Plent)       Statistics (Plent)     Statistics (Plent)       Statistics (Plent)     Statistics (Plent)       Statistics (Plent)     Statistics (Plent)       Statistics (Plent)     Statistics (Plent)       Statistics (Plent)     Statististics (Plent) <t< td=""><td>EU Directive 2020/842 C (EU V):         Yes           EU Directive 2020/842 C (WEES):         Yes           Mil Order 492 C (MERS):         Yes           Mil Order 492 C (MERS):         Yes           Same Test:         UL (88 UL Loading           CSA Finam Test:         UL (88 UL Loading           CSA Finam Test:         UL (88 UL Loading           Miltaria 1982         Yes           Mutability         Indicate:           Mutability         No           Plenum Number:         86771, 87777, 8277           Critical Characteristics (Overall)         No           Om. Indicators:         Indicators:           Indindina Mutabili Montor Conductor &amp; Shield:         <t< td=""><td>EU Directive 2011/65/EU (ROHS II):</td><td>Yes</td></t<></td></t<>	EU Directive 2020/842 C (EU V):         Yes           EU Directive 2020/842 C (WEES):         Yes           Mil Order 492 C (MERS):         Yes           Mil Order 492 C (MERS):         Yes           Same Test:         UL (88 UL Loading           CSA Finam Test:         UL (88 UL Loading           CSA Finam Test:         UL (88 UL Loading           Miltaria 1982         Yes           Mutability         Indicate:           Mutability         No           Plenum Number:         86771, 87777, 8277           Critical Characteristics (Overall)         No           Om. Indicators:         Indicators:           Indindina Mutabili Montor Conductor & Shield: <t< td=""><td>EU Directive 2011/65/EU (ROHS II):</td><td>Yes</td></t<>	EU Directive 2011/65/EU (ROHS II):	Yes
EU         Unexterive 2002/95/EC (RoHS):         Yes           EU         RoHS Compliance Date (mm/ddyyyy):         0101/2004           EU         Decetive 2002/95/EC (WEEE):         Yes           EU         Decetive 2002/95/EC (WEEE):         Yes           EU         Decetive 2002/95/EC (WEEE):         Yes           Minder #35 (Chins RoHS):         Yes         Tes           Minder #35 (Chins RoHS):         Yes         Tes           UL         Film         UL/1005         UL/1005           CSA Flame Test:         UL/1005         UL/1005         Tes           Subtability - Indoor:         Yos         Yes         Yes           Plenum Number:         R077, #777, #777, #777         #777         #777           Plenum Number:         R077, #777, #777, #777         #777         #777           Withoutone:         Impedance: (Impedance: Conductore:         Tescentoristics (Ovorall)         Tescentoristics (Ovorall)           mm:         Routone:         Tescentoristics (Ovorall)         Tescentoristics (Impedance)         Tescentoristics (Impedance)           Impedance (Imm)         Tescentoristics (Imm)         Tescentoristics (Imm)         Tescentoristics (Imm)           So         Tescentoristicon (Imm)         Tescentoristics (Imm)	EU Directivo 2002/86/EC (RoHS):         Yos           EU Directivo 2002/86/EC (RoHS):         O101/0004           EU Directivo 2002/86/EC (ROEE):         Yes           EU Directivo 2002/86/EC (ROHS):         Yes           EU Directivo 2002/86/EC (ROHS):         Yes           CA Prop 58 (CJ for Wire & Cable):         Yes           MIL Order #30 (China RoHS):         Yes           Iman Test:         UL 1885 UL Loading           CSA Frame Test:         UL 1885 UL Loading           Directivitititititititititititititititititit	EU CE Mark:	Yes
EU RoHS Compliance Date (mm/ddyyyy):         01/01/2004           EU Directive 2023/94/EC (VEEE):         Yes           EU Directive 2023/91/EC (VEEE):         Yes           EU Directive 2023/91/EC (VEEE):         Yes           EU Directive 2023/91/EC (VEEE):         Yes           CA Pop 65 (C) for Wirs & Cable):         Yes           UL Flame Test:         UL 1685 UL Loading           CSA Flame Test:         UL 1685 UL Loading           Satiability - Indoor:         Yes           Flame Test:         UL 1685 UL Loading           CSA Flame Test:         UL 1685 UL Loading           Itability - Indoor:         Yes           Flamum/On-Plenum         Plenum Number:           Plenum Number:         88777, 8777, 82777           cettical Characteristics (Overall)         On: Characteristic (Overall)           On: Characteristic (Overall)         On: Characteristic (Overall)           On: Capacitance Conductor to Conductor:         Expacitance (PM)           30         On: Capacitance Conductor to Conductor:           Capacitance (PM)         On:	EU RoHS Compliance Date (mm/dd/yyy):         0101/2014           EU Directive 2029/EEC (WEEE):         Yes           EU Directive 2029/EEC (WEEE):         Yes           EU Directive 2029/EEC (WEEE):         Yes           Mill Order #33 (China RoHS):         Yes           Mill Order #33 (China RoHS):         Yes           UL Flame Test:         UL H885 UL Leading           Sa Flame Test:         UL H885 UL Leading           Test:         Yes           Interfield:         FT1           Utability         No           Sa Haam Test:         UL H885 UL Leading           Test:         Vers           Interfield:         FT1           Utability         No           Plenum (NN:         No           Plenum Number:         80777.8777.82777           Cottcal Characteristics (Overall)         Conscientation (Photone)           Capacitance (Photone)         Conductors:           Experiation (Statione)         Somon           Somon         Conductors:           Experiation (Statione)         Somon           Somon         Conductors & Shield:           Experiation (Statione)         Somon           Somon         Conductors & Shield:           Expo	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/4EC (WEEE):       Yes         EU Directive 2002/4EC (WEEE):       Yes         CA Prop 56 (CJ for Wire & Cable):       Yes         Mi Order 353 (China Rolt5):       Yes         Imore 753 (CJ for Wire & Cable):       Yes         Status Test:       UL 1685 UL Leading         CSA Flame Test:       UL 1685 UL Leading         CSA Flame Test:       FT 1         Sultability - Indoor:       Yes         Berum (NR):       No         Plenum (NR):       No         Plenum Number:       68777, 87777, 82777         Soutability - Indoor:       Impedance (Outped)         Soutability - Indoor:       68777, 87777, 82777         Soutability - Indoor:       No         Plenum (NR):       No         Roltcance (GHT)       Soutability         Soutability - Indoor:       68777, 87777, 82777         Soutability - Indoor:       Coperator (Soutaboutcor to Conductor:         Capacitance (GHT)       Soutability         Soutability - Indoor:       Coperator (Soutaboutcor to Conductor & Shield:         Capacitance (GHT)       Soutability         Soutability - Indoor:       Coperator (Soutaboutcor to Conductor & Shield:         Capacitance (GHT)       Soutability         So	EU Directive 2002/HEC (WEEE):         Yes           EU Directive 2002/HEC (GPR):         Yes           CA Prop 65 (CJ for Wire & Cable):         Yes           Mil Order 350 (Kinha RoH5):         Yes           Name Test:         UI. 1665 UI. Loading           CSA Flame Test:         UI. 1665 UI. Loading           CGA Flame Test:         Ves           Visuation:         Yes           Munork 783 (Common Visuation	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR):         Yes           CA Prop of 5 (CJ for Wire & Cablo):         Yes           MIL Order #30 (chine RoH5):         Yes           MIL Flame Test:         UL 1885 UL Loading           UL Flame Test:         UL 1885 UL Loading           Statality - Indor:         Yes           Vitability         Indorection           Statality - Indor:         Yes           Plenum (YN):         No           Rotarctoristic Impedance:         Impedance (Diff)           Soci         On:	EU Directive 2003/11/EC (BFR):         Yes           CA.Prop 65 (CJ for Wire & Cablo):         Yes           MIL Order #30 (china RoH5):         Yes           MIL Flame Test:         UL 1685 UL Loading           GEA Fame Test:         UL 1685 UL Loading           Stabality - Indoor:         Yes           Stabality - Indoor:         Yes           Plenum (YM):         No           Romancheristics (Overall)	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
CA Prop 65 (CJ for Wire & Cable):       Yes         Mi Order #39 (China Roi+5):       Yes         Lamo Test:       UL 1085 UL Loading         CSA Flame Test:       FT1         Withbilly       Suitabilly - Indoor:         Suitability - Indoor:       Yes         Plenum (YN):       No         Soutchard:       Goardiance (Phr)         Soutchard:       Goar	CA Prop 85 (CJ for Wire & Cable):       Yes         Im Over #39 (CJ hon Root 93):       Yes         Lame Test       UL Hean Test:       UL Hean Test:         US Flame Test:       FT1         Viralitability       Suitability - Indoor:       Yes         Benum Non-Plenum       Plenum Number:       B3777, 67777, 62777         Plenum Number:       B3777, 67777, 62777       B3777, 62777         Cortrial Characteristics (Overall)       m. Gazacteristic Impedance:       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance Contuctor to Conductor:       Capacitance (Oth)         m. Routcance:       Impedance Contuctor to Conductor:       Capacitance (Oth)         m. Routcance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:	EU Directive 2002/96/EC (WEEE):	Yes
CA Prop 65 (CJ for Wire & Cable):       Yes         Mi Order #39 (China Roi+5):       Yes         Lamo Test:       UL 1085 UL Loading         CSA Flame Test:       FT1         Withbilly       Suitabilly - Indoor:         Suitability - Indoor:       Yes         Plenum (YN):       No         Soutchard:       Goardiance (Phr)         Soutchard:       Soutchard:         Goardiance (Phr)       Sout	CA Prop 85 (CJ for Wire & Cable):       Yes         Im Over #39 (CJ hon Root 93):       Yes         Lame Test       UL Hean Test:       UL Hean Test:         US Flame Test:       FT1         Viralitability       Suitability - Indoor:       Yes         Benum Non-Plenum       Plenum Number:       B3777, 67777, 62777         Plenum Number:       B3777, 67777, 62777       B3777, 62777         Cortrial Characteristics (Overall)       m. Gazacteristic Impedance:       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance (Oth)       Impedance (Oth)         m. Routcance:       Impedance Contuctor to Conductor:       Capacitance (Oth)         m. Routcance:       Impedance Contuctor to Conductor:       Capacitance (Oth)         m. Routcance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:       Impedance:       Impedance:       Impedance:         Impedance:	EU Directive 2003/11/EC (BFR):	Yes
MI Order #39 (China RoHS): Yes   tame Test UL H85 UL Loading   CSA Flame Test: FT1   suitability FT1   suitability No   Penum Number: 68777.8777.82777   Penum Number: 68777.8777.82777   cettrical Characteristics (Overall) No   mm. fadacteristics (Overall) Modulation   mm. fadacteristics (Overall) No   mm. fadacteristics (Overall) No   mm. fadacteristics (Overall) No   solution: Expectance (Pf1)   0:1 Solution:   0:1 Solution:   1:1 Solution: <tr< td=""><td>Mil Oder #39 (China RoHS):         Yes           UL Fiam Test:         UL 1685 UL Leading           CSA Fiams Test:         F11           Witability         Suitability           Witability         Yes           Witability         Yes           Verse         Yes           Penum Vinn/Non-Florum         Yes           Penum Number:         88777, 8777, 82777           Cectrical Characteristics (Overall)         No           Non. Characteristic Impedance:         No           Penum Number:         88777, 8777, 82777           Solitability         Index Conductor I Conductor:           Solitability         No           Min Oder #39 (China Solitability)         No           Solitability         No           Penum Number:         8877, 8777, 82777           Solitability         No           Solitability         No     </td></tr<> <td></td> <td>Yes</td>	Mil Oder #39 (China RoHS):         Yes           UL Fiam Test:         UL 1685 UL Leading           CSA Fiams Test:         F11           Witability         Suitability           Witability         Yes           Witability         Yes           Verse         Yes           Penum Vinn/Non-Florum         Yes           Penum Number:         88777, 8777, 82777           Cectrical Characteristics (Overall)         No           Non. Characteristic Impedance:         No           Penum Number:         88777, 8777, 82777           Solitability         Index Conductor I Conductor:           Solitability         No           Min Oder #39 (China Solitability)         No           Solitability         No           Penum Number:         8877, 8777, 82777           Solitability         No		Yes
Image: Test:       UL 1085 UL Loading         UK. Flame Test:       FT1         CSA Flame Test:       FT1         Suitability - Indoor:       Yes         Suitability - Indoor:       Yes         Plenum WiMp:       No         modatance (Orim)       ST77. 8777. 8777. 8777         modatance (Orim)       St77. 8777. 8777. 8777         modatance (Orim)       St77. 8777. 8777. 8777         modatance (Orim)       St77. 8777. 8777         modatance (Orim)       St77. 8777. 8777         solutatance:       St77. 8777         modatance (Orim)       St77. 8777         solutatance:       St77. 8777         solutatance (Irif)       St77. 8777         solutatance:       St77. 8777         so	tamo Tost U. Elamo Tost: U. Line Tost: F11 U. Line Tost: Yes Ustability Suitability Suitability Suitability No Pienum (YN): No Pienum (YN): No Pienum Mumber: Sufframo Conductor Information (Information (Inf		
U. Flame Test:         UL 1085 UL Loading           CSA Flame Test:         FT1           Subtability         Subtability           Subtability - Indoor:         Yes           Penum (YM):         No           Penum Number:         08777, 82777           Total Characteristics (Overall)         No           Description         Second Characteristics (Potention)           Solution Characteristic Impodance:         Second Characteristics (Potention)           Solution Characteristics (Potention)         Second Characteristics (Potention)           Soluti	U. Flame Test:         UL 1085 UL Looding           EXAMULTATION         FT1           Suitability         Ves           Bunn Yoon-Plenum         No           Penum Yoon-Plenum         No           Ontionactoristic Impedance:         Penum Yoon           Impediation Control         No           Outcome Control         Outcome Control           Go         Statistic Impedance:         Statistic Impedance:           Impediation Control         No         Statistic Impedance:           Impediation Conductor:         Statistic Impedance:         Statistic Impedance:           Impediation Conductor:         Statistic Impedance:         Statistic Impedance:           Impediation Conductor:         Statistic Impedance:         Statistic Impedance:           Impediation:         Statistic Impedance:         Statistic Impedance:           Impediation:         Statistic Impedance:         Statistic Impedance:           Impeditation:         Statistic Impedance: <ths< td=""><td>. ,</td><td></td></ths<>	. ,	
suitability indoor: Yes Suitability - indoor: Yes Pienum WiNNon-Pienum Pienum Number: No Pienum Number: 88777, 87777, 82777 Retrictal Number: 88777, 87777, 82777 Retrictal Number: 88777, 87777, 82777 Retrictal Number: 88777, 87777, 82777 Retrictal Number: 8877, 8777, 8777, 82777 Retrictal Number: 8877, 8777, 8	Suitability Suitability Suitability Plenum (ViN): Plenum (ViN): No Plenum Number: Bit77, 87777, 82777 Rectrical Characteristics (Overall) Ion: Characteristic Impedance: Impedance (Offm) So Ton: Capacitance (Orfff) So Ton: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance Conductor Do Conductor & Shield: Capacitance Conductor Do Resistance: Pf 6 Ton: Capacitance Conductor Do Resistance: Pf 6 Ton: Capacitance Conductor Do Resistance: Pf 6 Ton: Capacitance Conductor Do Resistance: Pf 7 So Ton Pair Nominal Shield DC Resistance @ 20 Deg. C: To So Ton: Capacitance Corrent: So So Ton: Capacitance Corrent: So So Ton: Capacitance Conductor © 25°C ambient So So So So So So So So So So		UL1685 UL Loading
Suitability - Indoor:         Yes           Iterum/Non-Plenum         No           Plenum Number:         08777, 82777           Restrict Characteristics (Overall)         000000000000000000000000000000000000	Suitability - Indoor:         Yes           InnumXon-Plenum         No           Plenum Number:         8877, 8777, 82777           certrical Characteristics (Overall)         Sectrical Characteristics (Overall)           constraints (Nin)         Sectrical Characteristics (Overall)           fig         Sectrical Characteristics (Overall)           constraints (Nin)         Sectrical Characteristics (Overall)           fig         Sectrical Characteristics (Overall)           fig         Sectrical Characteristics (Overall)           fig         Sectrical Characteristics (Overall)           fig </td <td>CSA Flame Test:</td> <td>FT1</td>	CSA Flame Test:	FT1
Suitability - Indoor:         Yes           Plenum (YiN):         No           Plenum Number:         88777, 67777, 82777           Rotation:         88777, 67777, 82777           Rotation:         1000000000000000000000000000000000000	Suitability - Indoor:         Yes           Plenum (YN):         No           Plenum Number:         88777, 87777, 82777           Certifical Characteristics (Overall)         8877, 8777, 82777           constraints of the padance:         Impediate (Athin)           go         1           constraints (Interpadance)         Impediate (Athin)           go         1           constraints (Volce) of Propagation:         Impediate (Athin)           go         1         1           constraints (Volce) of Propagation:         Impediate (Athin)           go         1         1           constraints (Volce) of Propagation:         Impediate (Athin)           for go Conductor D Resistance (2 Dog C):         1         1	Suitability	
Perum (Y/N):       No         Perum Number:       88777, 87777, 82777         ectrical Characteristics (Doveral)	Plenum (V/N):         No           Penum Number:         88777, 87777, 82777           Rectrical Characteristics (Overall)         Image and	Suitability - Indoor:	Yes
Plenum Number:       88777, 87777, 82777         Idectrical Characteristics (Overall)       Impedance:         Impedance (Ohm)       Impedance:         Impedance	Plenum Number:       88777, 87777, 82777         Dectrical Characteristics (Overall)	Plenum/Non-Plenum	
Inductance (uhi/ft)         50         50         50         50         50         50         50         50         50         50         50         50         50         51         52         55         55         56         56         57         50         56         57         50	Interfactor Characteristics (Overall)         Iom. Characteristic Impedance:         Impedance (Ohm)         50         50         50         50         50         50         50         50         50         50         51         52         53         54         55         55         55         55         55         55         55         55         55         55         56         55         55         56         56         57         56         56         57         58         59         59         50         50         50         50         50         50         50         50         50         50         50         50         50         50 <td>Plenum (Y/N):</td> <td>No</td>	Plenum (Y/N):	No
lom. Characteristic Impedance: mpedance (Ohm) 50 100. Inductance (uHiff) 0.18 100. Capacitance Conductor to Conductor: Capacitance (pFiff) 30 100. Capacitance (oFiff) 55 100. Capacitance Cond. to Other Conductor & Shield: Capacitance (oFiff) 55 100. Capacitance (oFiff) 55 100. Conductor DC Resistance: VP (%) 100. Conductor DC Resistance: VP (%) 100. Conductor DC Resistance: 100. C	lon. Characteristic Impedance: mpedance (Ohm) 50 ion. Inductance inductance (uHff) 0.18 ion. Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance (pFff) 30 ion. Capacitance (pFff) 55 ion. Capacitance (Pfff) 55 ion. Capacitance (Pfff) 56 ion. Capacitance (Pfff) 57 ion. Capacitance (Pfff) 57 ion. Capacitance (Pfff) 58 ion. Capacitance (Pfff) 59 ion. Capacitance (Pfff) 59 ion. Capacitance (Pfff) 50 ion. Capacitance (Pffff) 50 ion. Capacitance (Pfff) 50 ion. Capacit	Plenum Number:	88777, 87777, 82777
Value       Description         300 V RMS       Listed type CM         30 V RMS       AWM 2919         Ax. Recommended Current:       Description         Description       Current         10C temperature rise       2 Amps per conductor @ 25°C ambient	Voltage       Description         300 V RMS       Listed type CM         30 V RMS       AWM 2919         Max. Recommended Current:       Description       Current         Description       Current         10C temperature rise       2 Amps per conductor @ 25°C ambient         ut Ups and Colors:       Colors:		
10C temperature rise 2 Amps per conductor @ 25°C ambient	Description     Current       10C temperature rise     2 Amps per conductor @ 25°C ambient       ut Ups and Colors:	Inductance (µH/ft) 0.18 Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 30 Nom. Capacitance cond. to Other Conductor & Shield: Capacitance (pF/ft) 55 Nominal Velocity of Propagation: VP (%) 66 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft)	
		Inductance (µH/ft) 0.18 Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 30 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/ft) 55 Nominal Velocity of Propagation: VP (%) 66 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 15.0 Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: Max. Operating Voltage - UL: Voltage Description 300 V RMS Listed type CM	10.600 Ohm/1000 ft

		Putup	Ship Weight	Color	Notes	Item Desc
8777 060	U1000	1,000 FT	41.000 LB	CHROME		3 SH PR #22 PP PVC
8777 060	U500	500 FT	21.000 LB	CHROME		3 SHLD PR #22 PP PVC

# **Detailed Specifications & Technical Data**



### ENGLISH MEASUREMENT VERSION

### 8777 Multi-Conductor - Shielded Twisted Pair Cable

8777 060100	100 FT	4.700 LB	CHROME		3 SHLD PR #22 PP PVC
8777 0601000	1,000 FT	43.000 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 06010000	10,000 FT	460.000 LB	CHROME	СҮ	3 SHLD PR #22 PP PVC
8777 0601640	1,640 FT	68.880 LB	CHROME	С	TRANSFER REVIEW (20 TO 30)
8777 060250	250 FT	11.250 LB	CHROME	С	3 SHLD PR #22 PP PVC
8777 0603280	3,280 FT	137.760 LB	CHROME	С	TRANSFER REVIEW (20 TO 30)
8777 060500	500 FT	21.500 LB	CHROME	-	3 SHLD PR #22 PP PVC
8777 0605000	5,000 FT	215.000 LB	CHROME	С	3 SHLD PR #22 PP PVC

#### Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 2 Revision Date: 08-02-2013

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