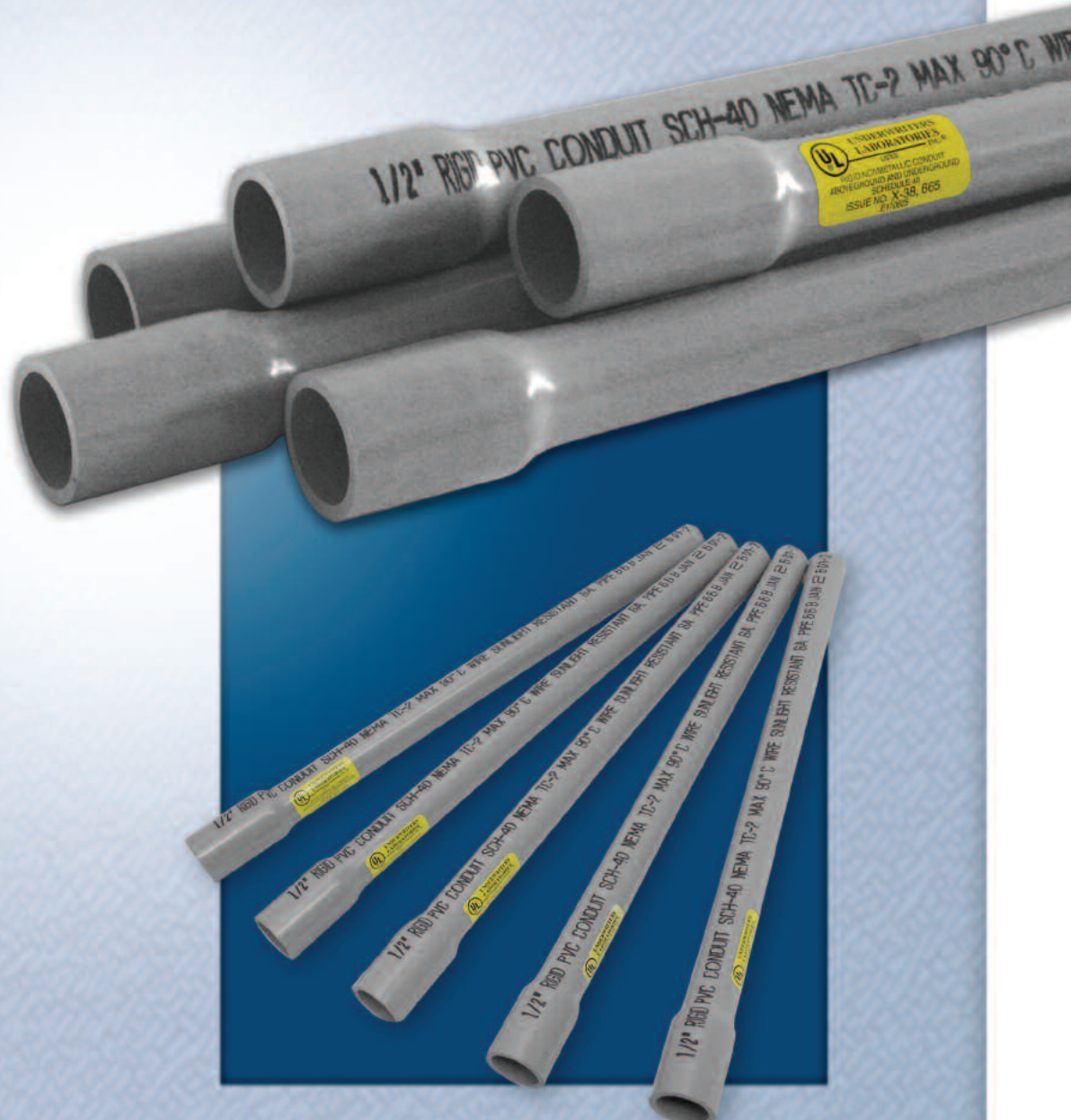


Allied **PVC Electrical Conduit**

Formerly Georgia Pipe



tyco

Electrical &
Metal Products



Formerly Georgia Pipe

UL LISTED RIGID SCH-40 & SCH-80 PVC ELECTRICAL CONDUIT

Allied ½" through 6" PVC Electrical Conduit is Underwriters Laboratories listed and is subject to in-process quality control testing to assure compliance with the appropriate manufacturing standards.

Allied PVC Electrical Conduit is manufactured to conform to NEMA TC-2 specifications and is UL listed.

For Commercial, Industrial and Utility usage:

Allied PVC Electrical Conduit is proven durable and effective for years of maintenance-free performance in underground, encased and exposed applications in accordance with the National Electrical Code.

Corrosion Proof:

Resistant to most chemicals, PVC is not affected by any corrosive soils or salts.

Non-Magnetic and Non-Galvanic:

Properties of Allied PVC Electrical Conduit assure good insulation and no power loss or conductor heating.

Self Extinguishing:

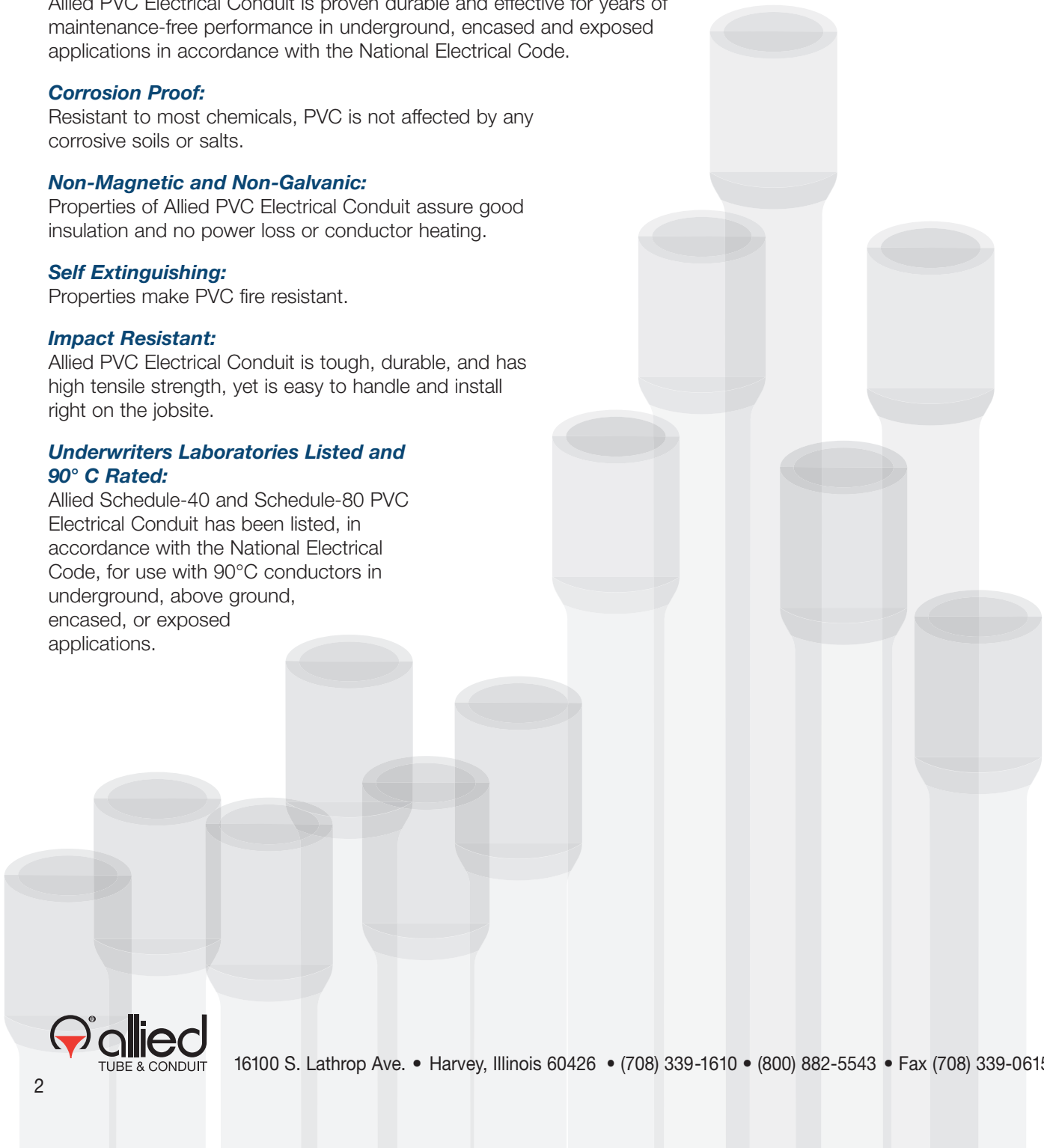
Properties make PVC fire resistant.

Impact Resistant:

Allied PVC Electrical Conduit is tough, durable, and has high tensile strength, yet is easy to handle and install right on the jobsite.

Underwriters Laboratories Listed and 90° C Rated:

Allied Schedule-40 and Schedule-80 PVC Electrical Conduit has been listed, in accordance with the National Electrical Code, for use with 90°C conductors in underground, above ground, encased, or exposed applications.



UL LISTED RIGID SCH-40 ELECTRICAL CONDUIT RATED FOR 90 DEGREE CELSIUS WIRING

Allied Schedule-40 is sunlight resistant and manufactured in accordance and complies to:

Underwriters Laboratories, Inc. UL-651

NEMA

TC-2



Meets or exceeds the requirements of NEMA TC-2 and UL-651 for Schedule 40 Conduit.

Schedule 40 PVC Conduit Dimensions (10' lengths with belled ends)

Trade Size	No.	O.D.	Min. I.D.	Wall	Wt/Ft	Ft/Pallet
1/2	8102	.840	.622	.109	.164	6000
3/4	8103	1.050	.824	.113	.218	4400
1	8104	1.315	1.049	.133	.321	3600
1 1/4	8105	1.660	1.380	.140	.434	3300
1 1/2	8106	1.900	1.610	.145	.518	2250
2	8108	2.375	2.067	.154	.695	1400
2 1/2	8110	2.875	2.469	.203	1.096	930
3	8112	3.500	3.068	.216	1.435	880
3 1/2	8114	4.000	3.548	.226	1.729	630
4	8116	4.500	4.026	.237	2.043	570
5	8120	5.563	5.047	.258	2.776	380
6	8124	6.625	6.065	.280	3.600	260



SPECIAL INFORMATION

1. 20' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.

Allied **PVC Electrical Conduit**



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UL LISTED EXTRA HEAVY WALL SCHEDULE-80 PVC CONDUIT 90 DEGREE CELSIUS RATED

Allied Schedule-80 is sunlight resistant and manufactured in accordance and complies to:

Underwriters Laboratories, Inc. UL-651

NEMA

TC-2



Meets or exceeds the requirements of NEMA TC-2 and UL-651 for Schedule 80 Conduit.

Schedule 80 PVC Conduit Dimensions (10' lengths with belled ends)

Trade Size	Cat. No.	I.D.	O.D.	Min. Wall	Wt/Ft	Ft/Pallet
½	9302	.546	.840	.147	.205	6000
¾	9303	.742	1.050	.154	.278	4400
1	9304	.957	1.315	.179	.409	3600
1¼	9305	1.278	1.660	.191	.567	3300
1½	9306	1.500	1.900	.200	.686	2250
2	9308	1.939	2.375	.218	.949	1400
2½	9310	2.323	2.875	.276	1.449	930
3	9312	2.900	3.500	.300	1.938	880
4	9316	3.826	4.500	.377	2.833	570
5	9320	4.813	5.563	.375	3.850	380
6	9324	5.761	6.625	.432	5.411	260



SPECIAL INFORMATION

1. 20' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.



**RIGID PVC UTILITY DUCT
RATED FOR 90 DEGREE CELSIUS WIRE
TYPE DB-60 FOR DIRECT BURIAL**

**NEMA TC-6
DB-60**

Trade Size	Part No.	O.D.	Min. Wall	Weight /foot	Ft/ lift
2	7508	2.375	.060	.361	2800'
3	7512	3.500	.092	.716	1760'
4	7516	4.500	.121	1.171	1140'
5	7520	5.563	.152	1.778	760'
6	7524	6.625	.182	2.500	520'

SPECIAL INFORMATION

1. 20' lengths are standard, 10' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.

**RIGID PVC UTILITY DUCT
RATED FOR 90 DEGREE CELSIUS WIRE
TYPE DB-120 FOR DIRECT BURIAL**

**NEMA TC-8
DB-120**

Trade Size	Part No.	O.D.	Min. Wall	Weight /foot	Ft/ lift
2	6108	2.375	.077	.371	2800'
3	6112	3.500	.118	.836	1760'
4	6116	4.500	.154	1.402	1140'
5	6120	5.563	.191	2.150	760'
6	6124	6.625	.227	3.045	520'

SPECIAL INFORMATION

1. 20' lengths are standard, 10' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.





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RIGID PVC UTILITY DUCT RATED FOR 90 DEGREE CELSIUS WIRE TYPE EB-20 FOR ENCASED BURIAL

NEMA TC-6 EB-20

Trade Size	Part No.	O.D.	Min. Wall	Weight /foot	Ft/ lift
2	2008	2.375	.060	.361	2800'
3	2012	3.500	.061	.514	1760'
4	2016	4.500	.082	.843	1140'
5	2020	5.563	.103	1.268	760'
6	2024	6.625	.125	1.729	520'

SPECIAL INFORMATION

1. 20' lengths are standard, 10' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.

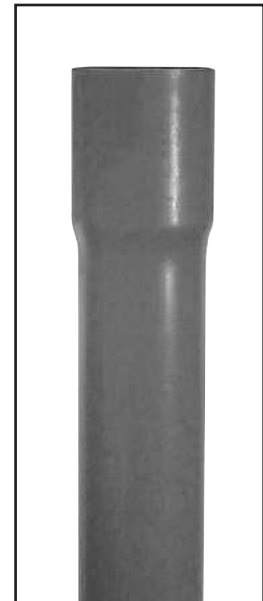
RIGID PVC UTILITY DUCT RATED FOR 90 DEGREE CELSIUS WIRE TYPE EB-35 FOR ENCASED BURIAL

NEMA TC-8 EB-35

Trade Size	Part No.	O.D.	Min. Wall	Weight /foot	Ft/ lift
2	3508	2.375	.060	.361	2800'
3	3512	3.500	.076	.533	1760'
4	3516	4.500	.100	.923	1140'
5	3520	5.563	.126	1.437	760'
6	3524	6.625	.152	2.064	520'

SPECIAL INFORMATION

1. 20' lengths are standard, 10' lengths available on special request.
2. Minimum shipment: full pallet quantity per size.



PROPERTIES:

Physical Properties	ASTM Test Method	Value
Specific Gravity	D792	1.4
Tensile Strength, psi @ 73.4°F	D638	6000
Impact (Izod) ft. lbs/in. of Notch @ 73.4°F	D256	1.2
Flexural Strength, psi	D790	14,700
Compressive Strength, psi	D695	9,000
Hardness (Shore "D")	D2240	98

Thermal Properties

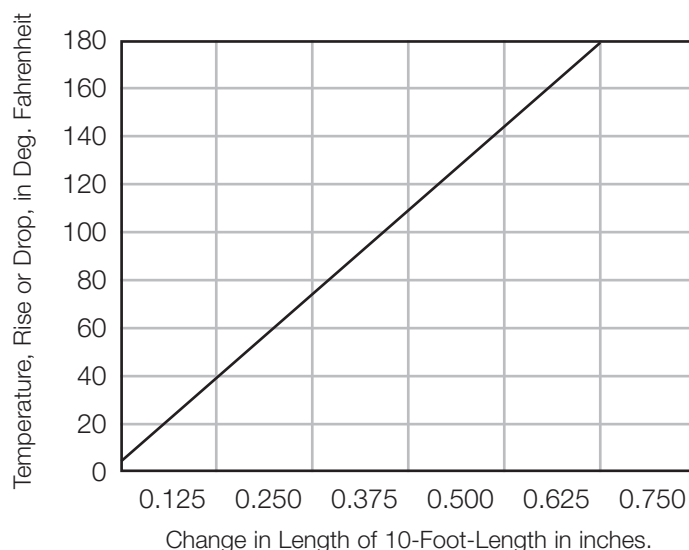
Heat Distortion in °F at 264 psi	D648	172°
Thermal Conductivity BTU/Ft ² /°F/in.		1.3
Coefficient of Thermal Expansion in./in./°F at 73.4°F	D696	2.85x10 ⁻⁵
Coefficient of Thermal Expansion in./in./°C at 23°C	D696	5.13x10 ⁻⁵

Electrical Properties

Dielectric Strength volts/mil	D149	1100
Dielectric Constant		
60 Cps @ 30°C		
1000 Cps @ 30°C	D150	4.00
Power Factor		
60 Cps @ 30°C		
1000 Cps @ 30°C	D150	1.93

EXPANSION/CONTRACTION CONSIDERATIONS

Precautions to guard against expansion or contraction due to changes in the temperature should be taken. Expansion joints should be installed to eliminate stress caused by changes in length. Please see chart to determine possible expansion/contraction.



CORROSION RESISTANCE OF ALLIED PVC CONDUIT

Corrosion resistance data provided in the table below were based on laboratory tests conducted by the manufacturers. This information is not a guarantee and may only be used as a basis for recommendation.

Acetic Acid 0-20%	Bismuth Carbonate	Copper Fluoride	Hydrofluoric Acid 10%	Palmitic Acid 10%	Sodium Ferricyanide
Acetic Acid 20-30%	Black Liquor (Paper Industry)	Copper Nitrate	Hydrofluorosilicic Acid	Perchloric Acid 10%	Sodium Ferrocyanide
Acetic Acid 30-60%	Bleach – 12.5% Active CL ²	Copper Sulfate	Hydrogen Phosphide	Phenylhydrazine Hydrochloride	Sodium Fluoride
Acetic Acid 80%	Borax	Cottonseed Oil	Hydrogen Sulfide – Dry	Phosgene Gas	Sodium Hydroxide
Acetic Acid – Glacial	Boric Acid	Cresylic Acid 50%	Hydrogen Sulfide – Aqueous Solution	Phosphoric Acid – 0-25%	Sodium Hypochlorite
Acetic Acid Vapors	Brine	Crude Oil – Sour	Hydroquinone	Phosphoric Acid – 25-50%	Sodium Nitrate
Acetylene	Breeder Pellets – Deriv. Fish	Crude Oil – Sweet	Hydroxylamine Sulfate	Phosphoric Acid – 50-85%	Sodium Nitrite
Adipic Acid	Bromic Acid	Demineralized Water	Iodine	Photographic Chemicals	Sodium Sulfate
Alum	Bromine – Water	Dextron	Kerosene	Plating Solutions	Sodium Sulfide
Aluminum Chloride	Butane	Dextrose	Lactic Acid 28%	Potassium Bicarbonate	Sodium Sulfite
Aluminum Fluoride	Butadiene	Diglycolic Acid	Lauric Acid	Potassium Bichromate	Sodium Thiosulfate (Hypo)
Aluminum Hydroxide	Butyl Alcohol	Disodium Phosphate	Lauryl Chloride	Potassium Borate	Stannic Chloride
Aluminum Oxychloride	Butyl Phenol	Ethyl Alcohol	Lauryl Sulfate	Potassium Bromate	Stannous Chloride
Aluminum Nitrate	Butylene	Ethylene Glycol	Lead Acetate	Potassium Bromide	Stearic Acid
Aluminum Sulfate	Butyric Acid	Fatty Acids	Lime Sulfur	Potassium Carbonate	Sulfur
Ammonia – Dry Gas	Calcium Bisulfite	Ferric Chloride	Linoleic Acid	Potassium Chloride	Sulfur Dioxide – Gas (Dry)
Ammonium Bifloride	Calcium Carbonate	Ferric Nitrate	Linseed Oil	Potassium Chromate	Sulfur Trioxide
Ammonium Carbonate	Calcium Chlorate	Ferric Sulfate	Lubricating Oils	Potassium Cyanide	Sulfuric Acid – 0-10%
Ammonium Chloride	Calcium Chloride	Ferrous Chloride	Magnesium Carbonate	Potassium Dichromate	Sulfuric Acid – 10-75%
Ammonium Hydroxide 28%	Calcium Hydroxide	Ferrous Sulfate	Magnesium Hydroxide	Potassium Ferricyanide	Sulfuric Acid – 75-90%
Ammonium Metaphosphate	Calcium Hypochlorite	Fluorine Gas – Wet	Magnesium Nitrate	Potassium Ferrocyanide	Sulfurous Acid
Ammonium Nitrate	Calcium Nitrate	Fluorine Gas – Dry	Magnesium Sulfate	Potassium Fluoride	Tannic Acid
Ammonium Persulfate	Carbonic Acid	Fluorobonic Acid	Maleic Acid	Potassium Hydroxide	Tanning Liquors
Ammonium Phosphate – Neutral	Carbon Dioxide Gas – Wet	Fluorosilicic Acid	Malic Acid	Potassium Nitrate	Tartaric Acid
Ammonium Sulfate	Carbon Dioxide – Aqueous Solution	Formaldehyde	Mercuric Chloride	Potassium Perborate	Titanium Tetrachloride
Ammonium Sulfide	Carbon Monoxide	Formic Acid	Mercuric Cyanide	Potassium Perchlorate	Triethanolamine
Ammonium Thiocyanate	Caustic Potash	Fructose	Mercurous Nitrate	Potassium Permanganate 10%	Trimethylene Propane
Amyl Alcohol	Caustic Soda	Galic Acid	Mercury	Potassium Persulfate	Trisodium Phosphate
Anthraquinoneasultonic Acid	Chloracetic Acid	Gas – Coke Oven	Methyl Sulfate	Propane	Turpentine
Antimony Trichloride	Chloral Hydrate	Gas – Natural (Dry)	Methylene Chloride	Propyl Alcohol	Urea
Aqua Regia	Chlorine Gas (Dry)	Gas – Natural (Wet)	Mineral Oils	Silicic Acid	Vinegar
Arsenic Acid 80%	Chlorine Gas (Moist)	Gasoline – Sour	Naphthalene	Silver Cyanide	Whiskey
Arvisulfonic Acid	Chlorine Water	Gasoline – Refined	Nickel Chloride	Silver Nitrate	White Liquor (Paper Industry)
Barium Carbonate	Chlorosulfonic Acid	Glucose	Nickel Nitrate	Silver Plating Solutions	Wines
Barium Chloride	Chrome Alum	Glycerine (Glycerol)	Nitric Acid. Anhydrous	Sodium Acetate	Zinc Chloride
Barium Hydroxide	Chromic Acid 10%	Glycol	Nitric Acid 20%	Sodium Arsenite	Zinc Chromate
Barium Sulfate	Chromic Acid 30%	Glycotic Acid	Nitric Acid 40%	Sodium Benzoate	Zinc Cyanide
Barium Sulfide	Chromic Acid 40%	Green Liquor (Paper Industry)	Nitric Acid 60%	Sodium Bicarbonate	Zinc Nitrate
Beet – Sugar Liquor	Chromic Acid 50%	Heptane	Nitrobenzene	Sodium Bisulfate	Zinc Sulfate
Benzene Sulfonic Acid 10%	Citric Acid	Hexanol Tertiary	Nitrous Oxide	Sodium Bisulfite	
Benzoic Acid	Copper Chloride	Hydrobromic Acid 20%	Oils and Fats	Sodium Bromide	
	Copper Cyanide	Hydrochloric Acid 0-25%	Oils – Petroleum – (See Type)	Sodium Chlorate	
		Hydrochloric 25-40%	Oleic Acid	Sodium Chloride	
		Hydrocyanic Acid or Hydrogen Cyanide	Oxalic Acid	Sodium Dichromate	



PALLET QUANTITIES AND TRUCKLOAD FORMATION

Trade Size	Sched-40 Wt/Ft	Ft/Pallet	Full Truck	Loading Units
1/2	.164	6000'	276,000'	1/2
3/4	.218	4400'	206,800'	1/2
1	.321	3600'	140,400'	1
1 1/4	.434	3300'	102,300'	1
1 1/2	.518	2250'	85,500'	1
2	.695	1400'	56,000'	1
2 1/2	1.096	930'	37,200'	1
3	1.435	880'	28,160'	1 1/2
3 1/2	1.729	630'	20,160'	1 1/2
4	2.043	570'	18,240'	1 1/2
5	2.776	380'	12,160'	1 1/2
6	3.600	260'	8,320'	1 1/2

Maximum Weight per Truckload: 45,000 Lbs.

Maximum Loading Units per Truckload: Approx. 44-48 Units.

PVC CONDUIT INSTALLATION INSTRUCTIONS

1. Cut sizes 1/2" – 1 1/2" square using a fine tooth handsaw and deburr each end of conduit. For sizes 2"-6", a miter box, or similar saw guide should be utilized to keep material steady.
2. After cutting and deburring, wipe pipe ends clean of dust, dirt and shavings. Make sure both conduit and the coupling are clean and dry before any solvent cement is applied.
3. Apply coat of solvent cement to end of conduit to the length of socket to be attached. Wipe the excess cement left in brush to the inside of coupling.
4. Push conduit firmly into fitting while rotating conduit about one-quarter turn to spread cement evenly. Push and rotate conduit until the ends meet.
5. Allow cement to set until dry.



LIMITED WARRANTY

Limited Warranty.

Seller only warrants to Buyer that the goods to be shipped hereunder will meet applicable Underwriter's Laboratory specifications. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. SELLER HEREBY EXPRESSLY DISCLAIMS ANY OTHER WARRANTY OF ANY KIND, WHETHER WRITTEN, ORAL OR IMPLIED, THAT THE GOODS SHALL CONFORM WITH ANY SAMPLES FURNISHED BY SELLER OR BUYER, OR THAT THE GOODS SHALL NOT DISCOLOR OR THE TEXTURE OR FINISH OF THE GOODS SHALL NOT DETERIORATE AFTER SHIPMENT BY SELLER.

Solvent Weld Pipe Disclaimer for Both Standard and Non-Standard Products.

Because Allied cannot be assured that solvent weld pipe will be installed by persons fully acquainted with the proper installation techniques involved and the limitations upon such techniques caused by variations installation conditions, Allied DOES NOT WARRANT AND WILL NOT BE RESPONSIBLE OR LIABLE FOR ANY EXPENSES, DAMAGES, OR LOSSES WHATSOEVER CONNECTED WITH OR GROWING OUT OF OR CAUSED BY THE FAILURE OF ANY SOLVENT WELD JOINT OR BY DEFECTIVE SOLVENT USED IN MAKING ANY SUCH JOINT. This disclaimer does not apply to factory-made solvent welds.

Remedy.

If it appears within thirty (30) days from the date of receipt by Buyer or Buyer's agent that the goods shipped do not meet Seller's above express warranty and Buyer notifies Seller, in writing, within such period, Seller, at its option, will repair or replace such defective or nonconforming goods or return the purchase price paid therefore by Buyer. THE LIABILITY OF SELLER TO BUYER ARISING OUT OF THE SALE OF GOODS OR THEIR USE, WHETHER ON WARRANTY, CONTRACT OR NEGLIGENCE IS LIMITED ONLY TO THE REPLACEMENT OR REPAIR OF DEFECTIVE GOODS OR RETURN OF THE PURCHASE PRICE, AS HEREIN PROVIDED. AND UPON THE EXPIRATION OF SAID THIRTY (30) DAY PERIOD ALL SUCH LIABILITY SHALL TERMINATE. THE FOREGOING SHALL CONSTITUTE THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF SELLER. IN NO EVENT SHALL THE SELLER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Buyer shall bear all cost of disassembly, shipment and re-installment of any defective, repaired or replaced goods and shall return to Seller only upon written authorization of Seller, all goods for which refund of purchase price is made.

Other Tyco Electrical and Metal Products



CONDUIT

Steel

- Rigid, EMT, IMC
- Kwik-Couple® IMC/GRC
- Kwik-Fit™ EMT
- Fire Alarm™ EMT
- Blue EMT

Aluminum

- Rigid, EMT
- Rigid and EMT Elbows and Couplings

PVC

- Schedule-40
- Schedule-80



POWER-STRUT® FRAMING SYSTEMS

- Pre-Galvanized Channel
- Power-Gold™ Channel
- Hot-Dip Galv Channel
- Aluminum Channel
- Stainless Steel Channel

- Fiberglass Channel
- Power-Green® Channel
- Strut Fittings
- Threaded Rod
- Junior Strut

- Junior Strut Fittings
- Fiberglass Fittings
- Concrete Inserts



COPE® CABLE TRAY SYSTEMS

- Aluminum Ladder Tray
- Aluminum Trof
- Fiberglass Tray
- Steel Trof

- Steel Ladder Tray
- CAT-Tray™ Wire Basket
- Centipede® Center-Hung Tray
- Cope Channel



AFC CABLE SYSTEMS®

AC & MC Cable

- AC-90® & AC-Lite® Aluminum Armored Cable
- MC TUFF® Lightweight Steel(MC)
- Home Run Cable®
- Super Neutral Cable

- HCF-90® Steel & HCF-Lite® Aluminum
- Healthcare Facilities Cable
- Fire Alarm/Control Cable™
- Parking Deck/Lot Cable

- MC-IG Steel w/Isolated Ground
- MC/OF Composite Copper & Optic Fiber Cable
- MOF® Metal Clad Optical Fiber Cable

Conduit Fittings

- EMT Steel Compression and Set-Screw
- Liquid-Tight Metallic and Non-Metallic Fittings

Flexible Conduit

- LIQUID-TUFF™ Liquid-Tight Flexible Conduit
- Full and Reduced Wall Flexible Conduit

AFC Specialty Products

- Lighting, Power & Appliance Whips
- AFC/Uni-Fab Wiring Systems
- Temp-Lites®



Allied **PVC Electrical Conduit**



Formerly Georgia Pipe

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