















Utility Conductor / Wire Identification Guide

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Utility Conductor / Wire Identification Guide

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Glossary:

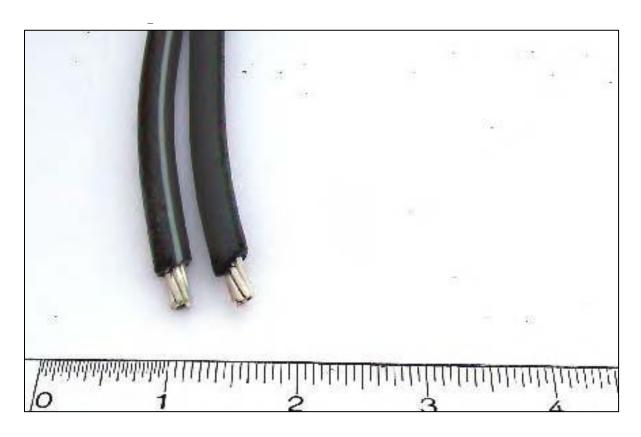
Acronyms

- ACSR. Aluminum Conductor Steel Reinforced
- AWG. American Wire Gauge (Standard measurement used to determine diameter)
- CN/JKT. Copper w/nylon jacket insulation
- HD. Wire was 'hard drawn' during processing
- SD. Wire was 'soft drawn' during processing
- XLPE. Cross linked polyethylene insulated

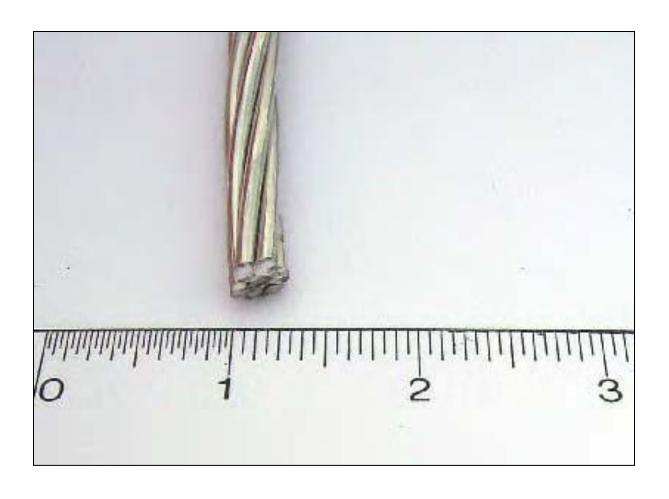
Other Terms

- Aluminum Phase. High strength alloy
- Bare. Wire does not have an insulating cover
- Coated. Wire has an insulating cover
- Electrical Current Capacity. Designed by volts, i.e. 600v
- Multiple cable assemblies. Designated by number and type of cable,
 i.e. 2-#10, we/#2/0 neutral
- Resistance. Designated by KCM value (350, 336.4, 750, etc.)
- Strands. The number of individual wires used in the cable
- Width of multi-strand conductor. Designated smallest to largest:
 #1/0, #2/0, #3/0 and #4/0

#6 AWG 7 Strand Aluminum Coated







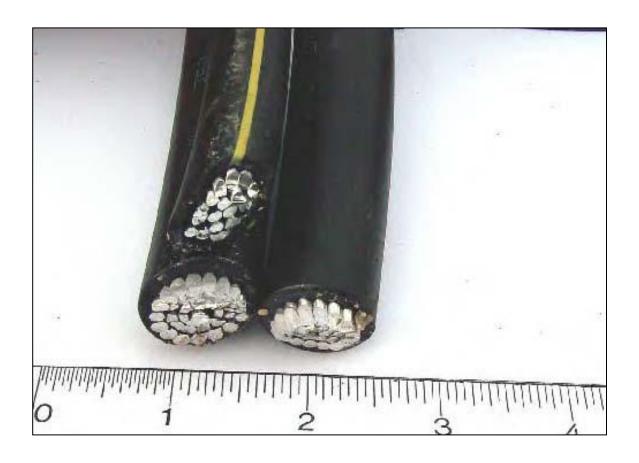
#2 6/1 Strand ACSR Bare Aluminum

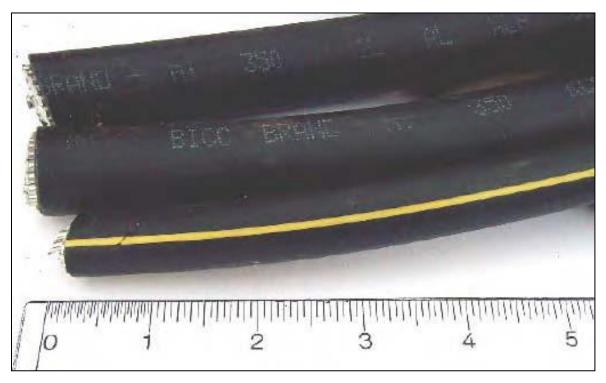
300V 2 4/0 XLPE Aluminum / 1 246.9 Aluminum Bare

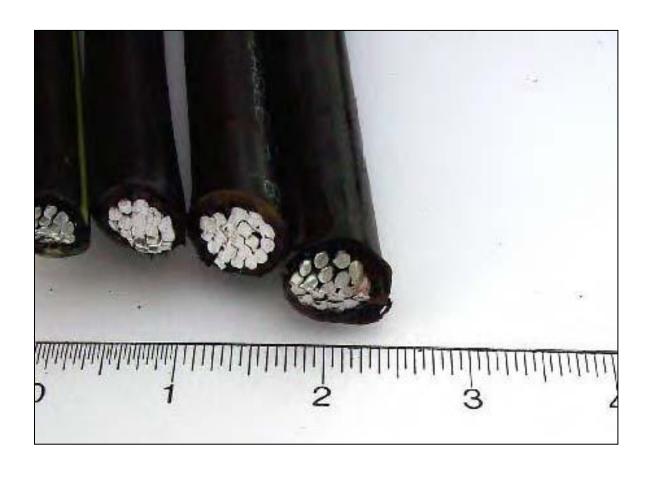




600V DB 2-350 Aluminum Phase w/#3/0 Neutral

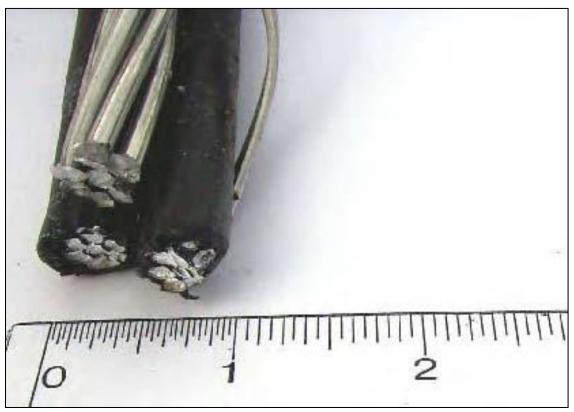






600V DB3-#3/0 Aluminum Phase w/ 1/0 neutral

300V 2-1/0 XLPE Aluminum and 1-123.3 Aluminum Bare





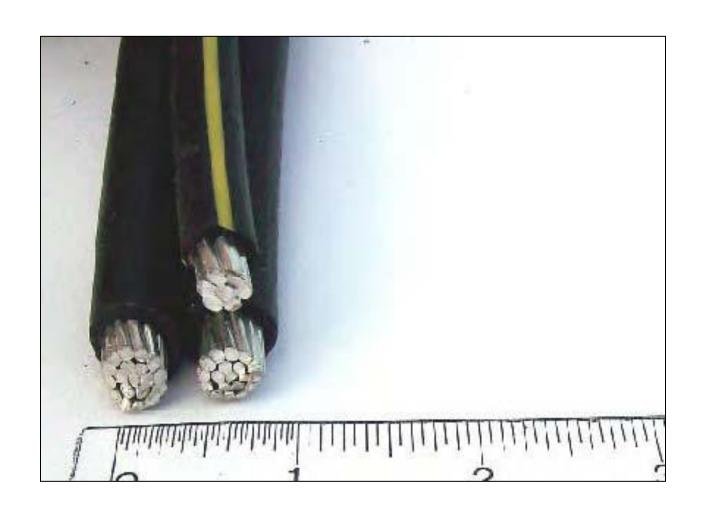
600V DB 3-750 Aluminum Phase w/350 Neutral



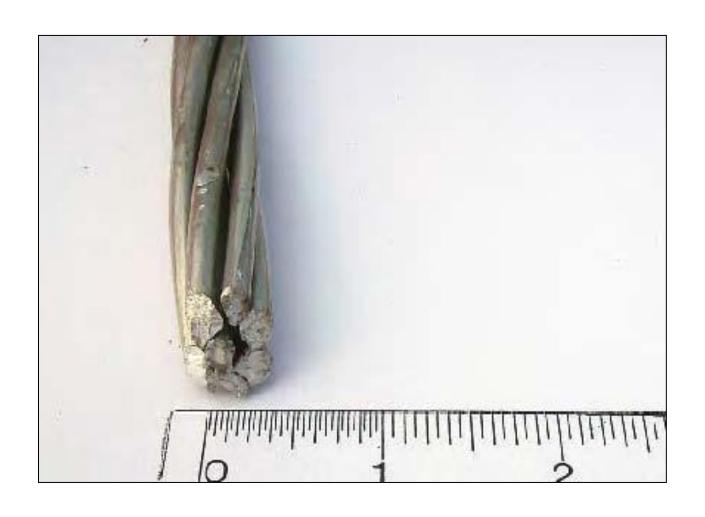




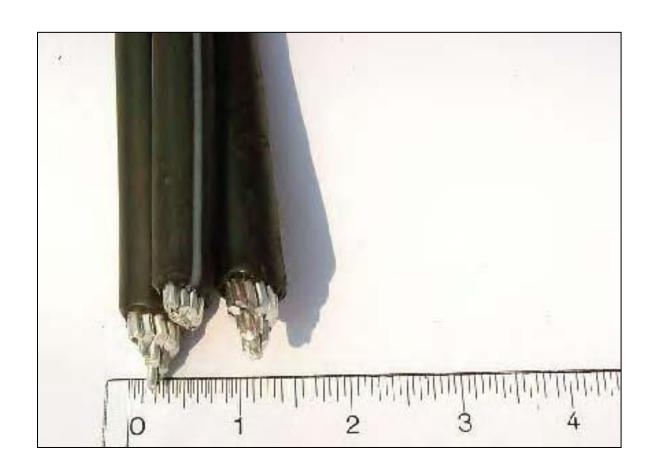
336.4 KCM 26/7 Strand ACSR Bare Aluminum



600V DB 2 - #1/0 19 Strand Aluminum Phase CD



#3/0 6/1 Strand ACSR Bare Aluminum



600V DB 2-#3/0 Aluminum Phase W/ 1/0 Neutral

300V, 2 - #1/0 Strand Aluminum, Insulated with Bare Neutral

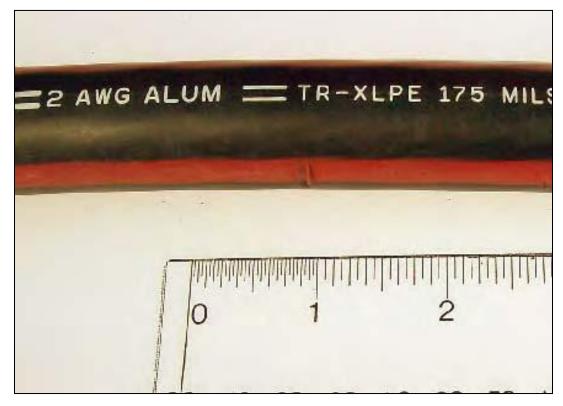






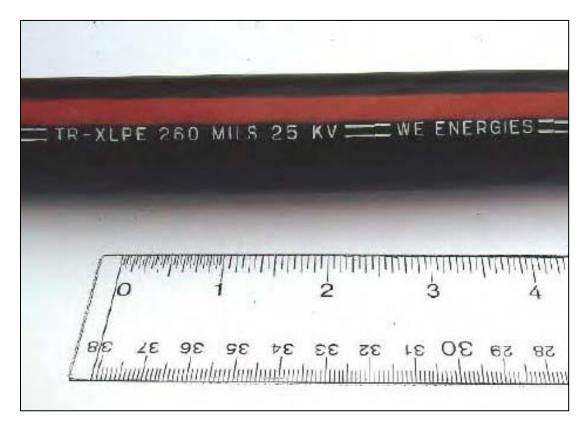
600V DB (3) 750 KCM-61 Strand Aluminum Phase

CN/JKT 15KV #2 Solid Aluminum Core

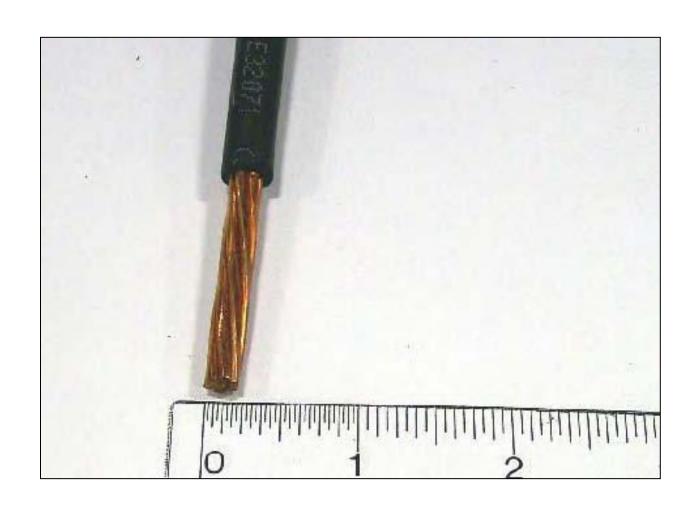




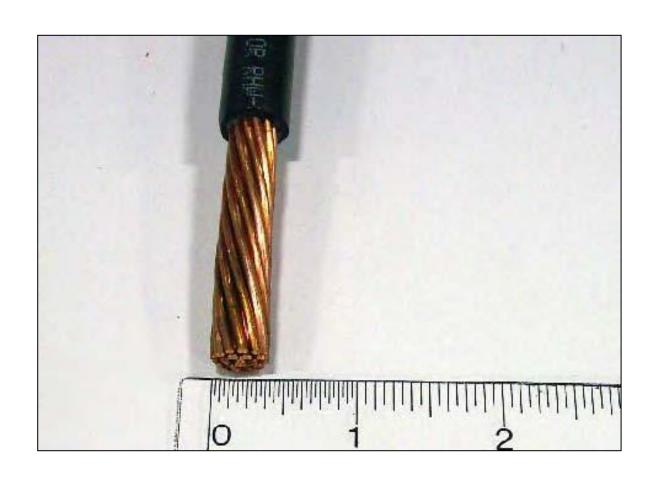
CN / JKT 25KV #2 Solid Aluminum Core



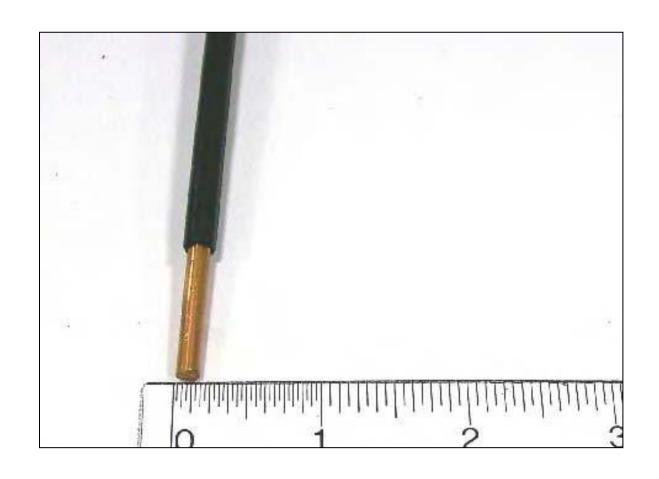




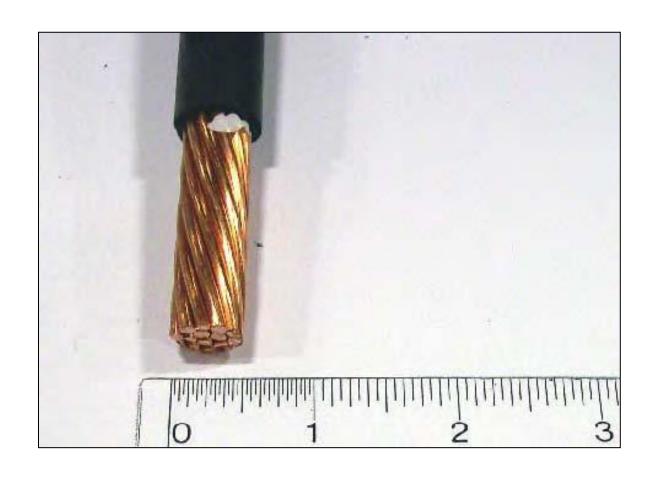
#4 7 Strand Copper 600V X-Linked Poly



#1/0 19 Strand Copper 600 V XLPE



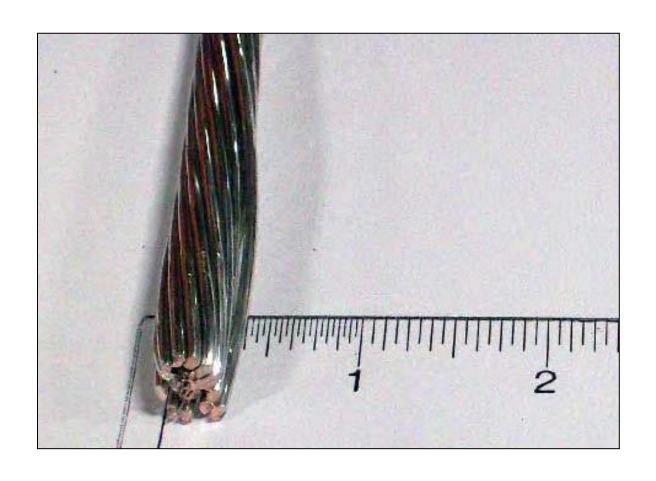
#6 SD Solid Copper WE Poly - Pole Grounds



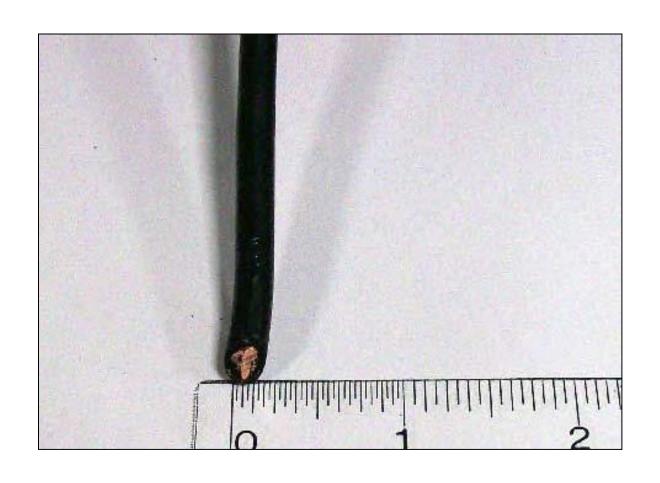
#4/0 19 Strand Copper 600V XLPE



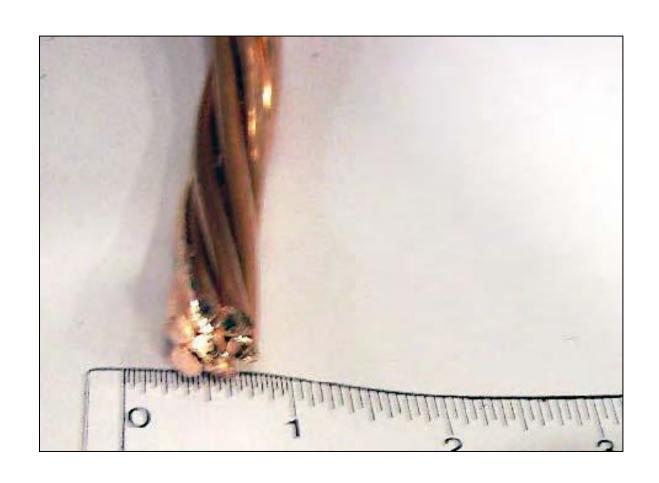
#1/0 7 Strand 3D Copper Non-Coated BW



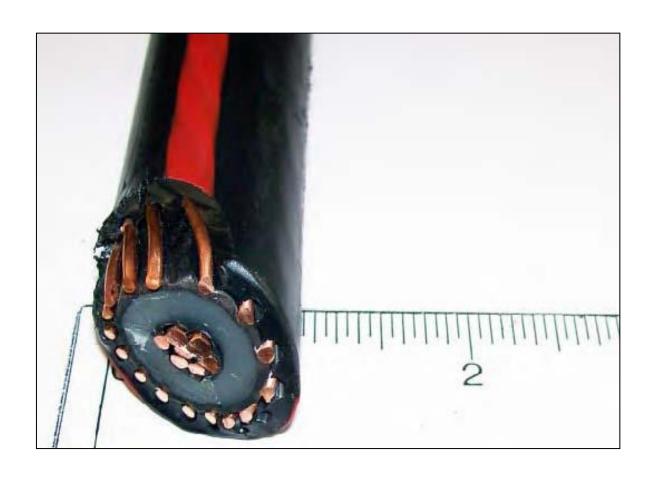
#1/0 19 Strand Tinned Copper Coated Bonding



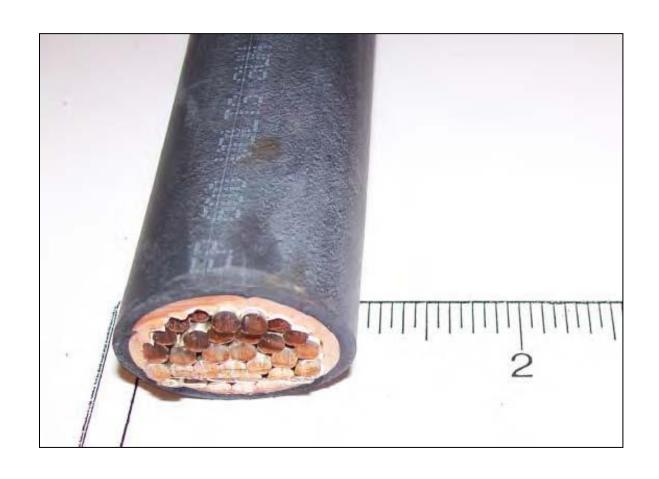
#6 HD Solid Copper WR Poly - Pole Ground



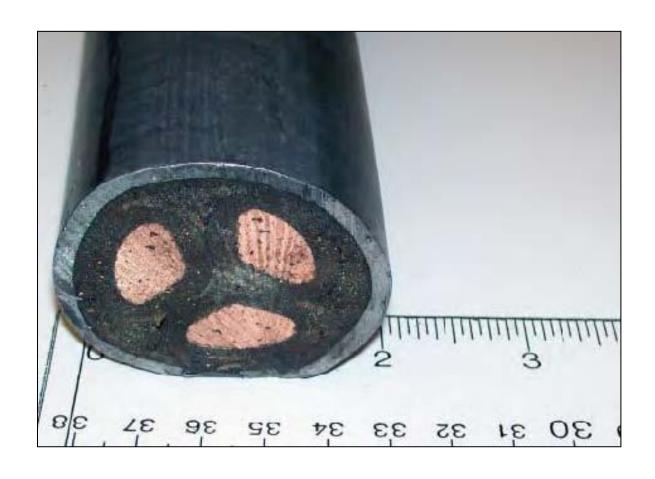
#4/0 7 Strand SD Copper Non-Coated BW



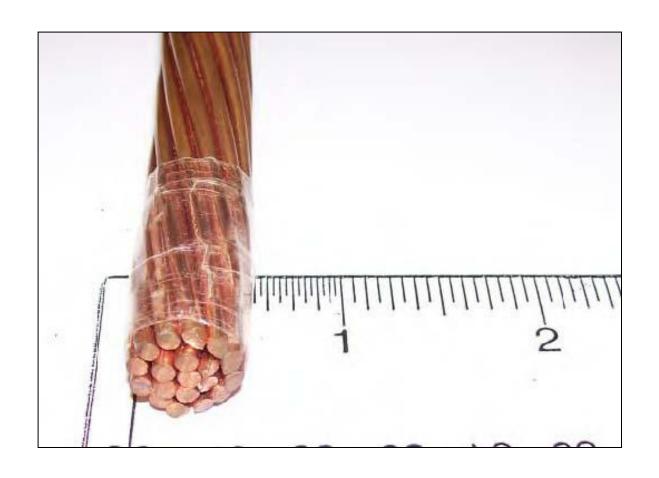
15 KV #2 Stranded Copper



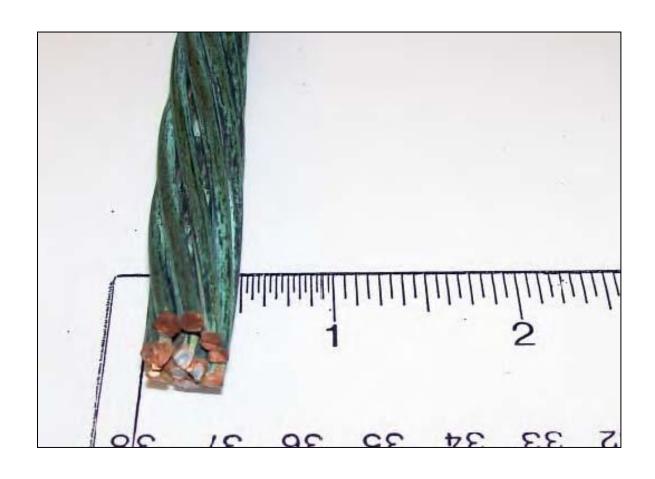
600 V 500 KCMIL 37 Strand



14 KV Paper Insulated - Lead Covered



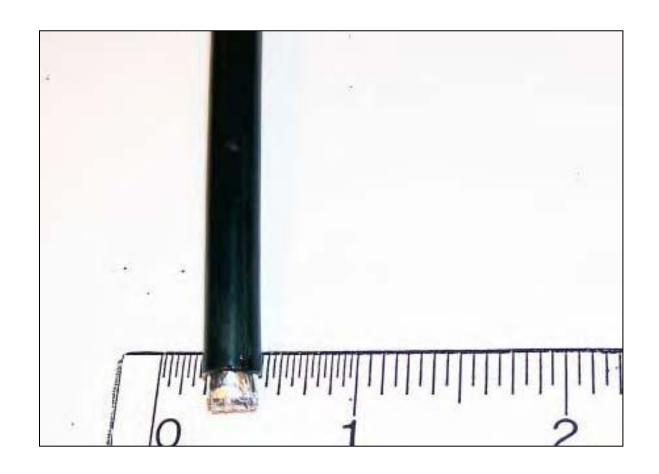
#4/0 Stranded Copper



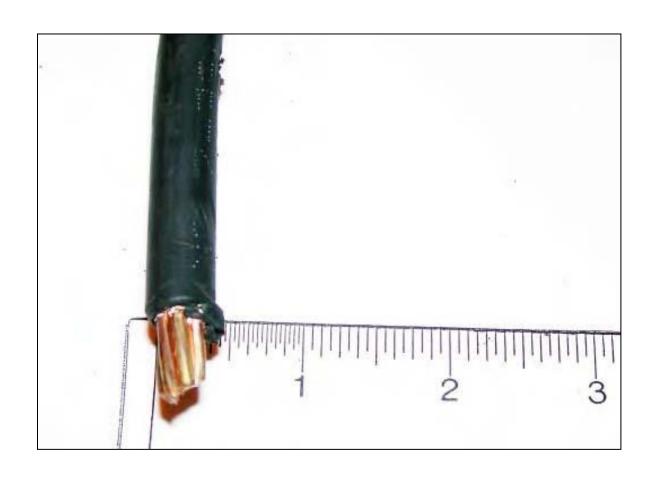
#1/0 7 Strand Copper - Steel Core



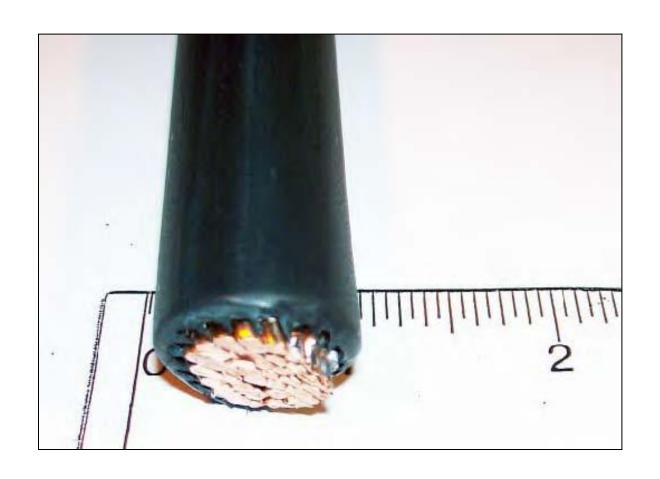
Telephone 6 Pair



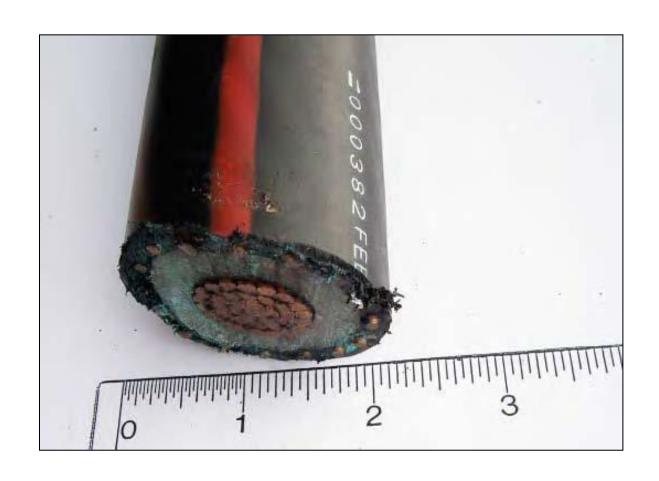
Cable TV (Coax)



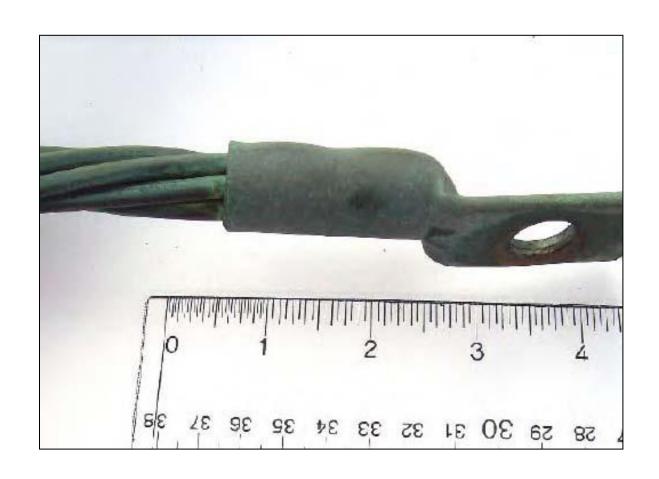
#2 7-Strand, CU 600 V XLPE



350 KCM 37 Strand CU 600 V XLPE



500 KCMIL 28 KV Copper



#4/0 Bare Copper Ground



Copper Ground Rod - Steel Core



7 Strand Steel Guy Wire