

Outside Plant (OSP) Copper Application Guide

Product Description	Design	Product Code	Applications		
			Aerial*	UG Conduit	Direct Burial
Solid Insulated – Air Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-85-625	SEALPIC®	R	S**	N
Self-Support, 0.25" Messenger, Coated AL Shield	ANSI/ICEA S-85-625	SEALPIC-84	R	N	N
ALPETH, Single Jacket, Bare AL Shield	Telcordia GR-421-CORE ANSI/ICEA S-85-625	BHBA, BHAA, BKMA, BKTA	R	N	N
Self-Support, 0.25" Messenger, Bare AL Shield	Telcordia GR-421-CORE ANSI/ICEA S-85-625	BHBS, BHAS, BKMS, BKTS	R	N	N
Reinforced, Self-Support, 0.25" Messenger, Bare AL Shield Inner Jacket, STL Armor, Outer Jacket	Telcordia GR-421-CORE ANSI/ICEA S-85-625	BHBP, BHAP, BKMP, BKTP	R	N	N
PASP, Double Jacket, AL Shield + STL Armor Rodent Resistant	Telcordia GR-421-CORE ANSI/ICEA S-85-625	BHBH, BHAH, BKMH, BKTH	S	N	S
Foam-Skin Insulated – Filled Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-84-608 RDUP PE-89	SEALPIC-FSF	S	R	S
Single Jacket, CU Shield	ANSI/ICEA S-84-608 RDUP PE-89	CUVIC®-FSF	S	R	S
Single Jacket, Copper-Alloy Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-89	GOVIC®-FSF	S	N	R
Single Jacket, Coated AL shield + Coated STL Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-89	CASPIC®-FSF	S	N	R
Filled ALPETH, Single Jacket, Bare AL Shield	Telcordia GR-421-CORE ANSI/ICEA S-84-608	ANBA, ANAA, ANMA, ANTA	S	R	S
Filled ASP, Single Jacket, AL Shield + STL Armor Rodent Resistant	Telcordia GR-421-CORE ANSI/ICEA S-84-608	ANBW, ANAW ANMW, ANTW	S	N	R
Solid Insulated – Filled Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-84-608 RDUP PE-39	SEALPIC-F	S	R	S
Single Jacket, CU Shield	ANSI/ICEA S-84-608 RDUP PE-39	CUVIC-F	S	R	S
Single Jacket, Copper-Alloy Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-39	GOVIC-F	S	N	R
Single Jacket, Coated AL shield + Coated STL Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-39	CASPIC-F	S	N	R

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Special Use Designs					
OSP Broadband CAT 5, High bandwidth, Short distance (100M) NF = AL Shield, GF = AL + STL Armor Filled Core, 25-pair and 100-pair Only	TIA/EIA 568-B.2 ANSI/ICEA S-86-634	MEGAPIC®-NF MEGAPIC-GF	S S	R N	S R
Bonded STALPETH (Ductpic), Foam-Skin Insulated Air Core Single Jacket, AL + STL Armor, Large Pair Count Only	Telcordia GR-421-CORE ANSI/ICEA S-85-625	DCMZ, DCTZ	Congested UG Duct Systems		
Power Station High Potential Filled ASP, 22 AWG Only Solid Insulation, Filled Core Single Jacket, AL + STL Armor	Telcordia GR-421-CORE ANSI/ICEA S-84-608	CMAW	Power Sub stations		
STEAMPETH, Solid Insulated, Air Core MDPE Jacket, AL + STL Armor Pressurized, High Temp Environments to 230°F	Telcordia GR-421-CORE ANSI/ICEA S-85-625	DKMN, DKTN	Steam Tunnels		
Filled Core Self-Support 0.25" Messenger, Coated AL Shield Single Jacket	Basic Cable: RDUP PE-89 Figure 8 : ANSI/ICEA S-85-625, Option A	SEALPIC-FSF-84	Aerial Installations where filled core design is desired		

Legend: R= recommended, S= suitable and N= not recommended

*Non self-supporting cables may be used in aerial installations but are required to be lashed or otherwise supported.

**Single Jacket, Air Core cable designs are not recommended for underground installations except as part of an air pressurized system.