

**UNITED STATES DEPARTMENT OF AGRICULTURE  
Rural Utilities Service  
Washington, DC 20250-1500**

Tuesday, March 26, 2002

**TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS)  
MEETING #745**

**Summary of Decisions**

1. Fiber Optic Cable (Item "oc") - BICC General Cable

Committee A accepted General Cable's single mode, multiple loose tube, dry-filled fiber optic cable designs using a steel central strength member for listing on pages 1.5.2, 1.5.3, and 1.5.5, as follows:

**Page 1.5.2**

**oc - Fiber Optic Cable**

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

**oc-c Self-Supporting Filled Fiber Optic Cables**

**RUS Standard Suffixes**

**Manufacturer**

**Cable Construction**

	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
						<u>Mode</u>	
General Cable <sup>(6)</sup>	4M__ <sup>(11)</sup> Y-DWB <sup>(22)</sup>	-	4H__ <sup>(11)</sup> N-DWB <sup>(22)</sup>	-	-	X	-

**Page 1.5.3**

**oc - Fiber Optic Cable**

RUS Standard Designations "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

**oc-d Dry Filled Multiple Loose Tube Fiber Core Construction**<sup>(3) (22)</sup>

**RUS Standard Suffixes**

**Manufacturer**

**Cable Construction**

	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
						<u>Mode</u>	
General Cable <sup>(6)</sup>	4__ <sup>(30)</sup> 2A-DWB	4__ <sup>(30)</sup> 1A-DWB	4__ <sup>(30)</sup> 2F-DWB	4__ <sup>(30)</sup> 1F-DWB	-	X	-

**Page 1.5.5**

<sup>(11)</sup>Replace blank with the number 1 or 2.

2. Transport Equipment (Item "te") - Inside Plant Branch

Committee A removed from page 6.2 of the RUS List of Materials Digital Microwave Corporation's (DMC's) DMC-2M/SE, DMC-10M/SE and DMC-18M products.

3. Transport Equipment (Item "te") - Inside Plant Branch

Committee A removed Telco Systems' 828AF/AF-XT products from page 6.2 of the RUS List of Materials.

4. Splice Closures (Item "pl"), Cable Enclosures (Item "er"), Connectors (Item "cm"), and Terminal Blocks for Use in Pedestals (Item "sh") - 3M Company

Committee revised the RUS List of Materials to reflect the name change to 3M for the PSI and AT&T product lines acquired by 3M. The recommendation includes the revision of the listings on pages 2.1, 2.1.1, 2.1.2, 2.1.3, 2.3.1, and 5.6, as follows:

**2.1**  
**3-01**  
**pl**

<u>Manufacturer</u>	<u>Max. Cable Dia.</u> <sup>(6)</sup>	<u>pl - Splice Closure</u>		<u>Encapsulant</u> <sup>(2)</sup>
		<u>Straight</u>	<u>Branch</u>	
<u>a - Aerial Splice Closure for Copper Cables</u>				
<u>Free-Breathing</u>				
3M Company	1.60"	SLiC 2X19 FB	SLiC 2X19 FB	--
	1.60"	SLiC 2X29 FB	SLiC 2X29 FB	--
	2.60"	SLiC 3X33 FB	SLiC 3X33 FB	--
	3.00"	SLiC 5X33 FB	SLiC 5X33 FB	--
	3.80"	SLiC 7X33 FB	SLiC 7X33 FB	--
	3.80"	SLiC 9X36 FB	SLiC 9X36 FB	--
	1.50"	GATM92000	GATM92000	--
	2.50"	GATM95000	GATM95000	--
	4.00"	GATM97000	GATM97000	--

2.1.1  
3-01  
pl

pl - Splice Closure

<u>Manufacturer</u>	<u>Max. Cable Dia.</u> <sup>(6)</sup>	<u>Straight</u>	<u>Branch</u> <sup>(4)</sup>	<u>Encapsulant</u> <sup>(2)</sup>
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a - Aerial Splice Closure for Copper Cables

Pressurized

3M Company	1.0"	2X2AA	2X2AA	--
(510 Version)	1.0"	2Y2AA	2Y2AA	--
	1.6"	2A2	2A2	--
	2.9"	2B2	2B2	--
	3.5"	2C2	2C2	--
	3.5"	2D2	2D2	--
	4.5"	2E2	2E2	--

<u>Manufacturer</u>	<u>Max. Cable Dia.</u> <sup>(6)</sup>	<u>Straight</u>	<u>Branch</u>	<u>Encapsulant</u> <sup>(2)</sup>
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**b - Buried Splice Closure for Copper Cables**

**Filled** (Cont'd)

3M Company	1.0"	9P212(*)-515	9P212(*)-515	D-Plus
	1.0"	9P224(*)-515	9P224(*)-515	
	2.0"	9P324(*)-515	9P324(*)-515	
	2.0"	9P424(*)-515	9P424(*)-515	
	2.5"	9P526(*)-515	9P526(*)-515	
	3.7"	9P726(*)-515	9P726(*)-515	
	4.0"	9P926(*)-515	9P926(*)-515	

\*Insert end cap configuration per manufacturer.

**2.1.3**  
**3-02**  
**pl**

**pl - Splice Closure**

<b><u>Manufacturer</u></b>	<b><u>Max. Cable Dia.</u><sup>(6)</sup></b>	<b><u>Straight</u></b>	<b><u>Branch</u></b>	<b><u>Encapsulant</u><sup>(2)</sup></b>
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**c - Underground Splice Closure (Manhole) for Copper Cables**

**Pressurized**

3M Company (510 Version)	2.9"	2B2	2B2	--
	3.5"	2C2	2C2	--
	3.5"	2D2	2D2	--
	1.0"	2X2AA	2X2AA	--
	1.0"	2Y2AA	2Y2AA	--
	1.6"	2A2	2A2	--
	4.5"	2E2	2E2	--

**d - Buildings and Central Office Vault Splice Closure for Copper Cables<sup>(3)</sup>**

**Non-Filled**

**Non-Flame Retardant<sup>(9)</sup>**

**Flame Retardant**

3M Company (Kohler & Besser)	K & B Series 2 * 2 (*)	K&B Series <sup>(5)</sup> 2 * 4 (*)
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\*Insert inner diameter and cover length-identifying data according to manufacturer's instructions.

**Manufacturer**

**Catalog Number**

**cm - Connectors**

**Splicing Connectors for Copper Conductors<sup>(2)</sup>**

		<b><u>Connector Modules (5-Pair)</u></b>		
		<b><u>Straight Splice</u></b>	<b><u>Bridge Splice</u></b>	<b><u>Half-Tap Splice</u></b>
3M Company <sup>(5)</sup>	(22-26 Awg)	710-SC1-5	710-BC1-5	710-TC1-5
	(19-24 Awg)	710-SAL-5	710-BAL-5	710-TAL-5
		<b><u>Connector Modules (10-Pair)</u></b>		
		<b><u>Straight Splice</u></b>	<b><u>Bridge Splice</u></b>	<b><u>Half-Tap Splice</u></b>
3M Company <sup>(5)</sup>	(22-26 Awg)	710-SC1-10	710-BC1-10	710-TC1-10
	(19-24 Awg)	710-SCL-10	710-BCL-10	710-TCL-10
		<b><u>Connector Modules (25-Pair)</u></b>		
		<b><u>Straight Splice</u></b>	<b><u>Bridge Splice</u></b>	<b><u>Half-Tap Splice</u></b>
3M Company	(22-26 Awg) (19-24 Awg)	710-SC1-25	710-BC1-25	710-TC1-25
		710-SCL-25	710-BC1-25	710-TCL-25
		4000-D/TR	4005-DPM/TR	4008-D/TR
		4000-DT/TR	4077-A <sup>(3)</sup>	4075-S <sup>(3)</sup>
		4075-S <sup>(3)</sup>	4077-B <sup>(3)</sup>	
			4077-C <sup>(3)</sup>	
	4077-D <sup>(3)</sup>			

**2.3.1  
3-02  
er**

**Manufacturer**

**er - Cable Enclosures**

**Ready-Access Enclosures**

**e/w IDC Terminal Blocks**

**Strand-mounted, with two branch entrances (for lashed cables)**

<b><u>Pair</u></b>	<b><u>Main Cable Dia. Range 20-Pair</u></b>	<b><u>Branch Cable Dia. Range 25-Pair</u></b>	<b><u>Filled Unprotected</u></b>				
			<b><u>5-Pair</u></b>	<b><u>6-Pair</u></b>	<b><u>10-Pair</u></b>	<b><u>12-Pair</u></b>	<b><u>15-</u></b>
3M Company	0.40-2.67" <sup>(3)</sup> SLIC <sup>(3)</sup>	- -	SLIC <sup>(3)</sup> SLIC <sup>(3)</sup>	-	SLIC <sup>(3)</sup>	-	
	328MT-SES-15		328MT-SES-5 328MT-SES-25		328MT-ES-10		
	0.40-4.00" <sup>(3)</sup> SLIC <sup>(3)</sup>	-	SLIC <sup>(3)</sup> SLIC <sup>(3)</sup>		SLIC <sup>(3)</sup>		
	530MT-SES-15		530MT-SES-5 530MT-SES-25		530MT-SES-10		
	0.40-2.67" <sup>(3)</sup>	-	-		-	SLIC <sup>(3)</sup> 328MTA-SES-12	
	0.40-4.00" <sup>(3)</sup>	-				SLIC <sup>(3)</sup> 530MTA-SES-12	
	0.30-1.50" <sup>(1)</sup> GATM92H15	0.30-1.50" GATM92H20	- GATM92H25	-	GATM92H10		
	0.40-2.50" <sup>(1)</sup> GATM95H15	0.40-2.50" GATM95H20	GATM95H25		GATM95H10		
	0.50-4.00" <sup>(1)</sup> GATM97H15	0.50-4.00" GATM97H20	GATM97H25		GATM97H10		

**5.6  
3-02  
sh**

Manufacturer

Catalog Number

sh - Terminal Blocks for Use in Pedestals

sh-a Unprotected Filled IDC Terminal Blocks

Pair	1-Pair 25-Pair <u>(w/leads)</u> <u>(w/leads)</u>	2-Pair 50-Pair <u>(w/leads)</u> <u>(w/leads)</u>	5-Pair <u>(w/leads)</u> <u>(w/leads)</u>	6-Pair <u>(w/leads)</u>	10-Pair <u>(w/leads)</u>	12-Pair <u>(w/leads)</u>	15-
3M Company <sup>(10)</sup>	-- ID15XXXXXXXXXX	-- ID25XXXXXXXXXX	1D5XXXXXXXXXX	--	ID10XXXXXXXXXX	--	

### Miscellaneous

- I. In response to January 23, 2002 and December 17, 2001 letters from OFS BrightWave, Committee A sent letters dated February 27, 2002 to OFS BrightWave acknowledging Furukawa Electric's purchase of Lucent Technologies' Atlanta facility and the Atlanta-based Optical Fiber Solutions business. The February 27 letter also acknowledged the subsequent revision of the fiber optic cable listing in the List of Materials to reflect the change in name from Lucent Technologies and Fitel Lucent Technologies, respectively, to OFS BrightWave.
  
- II. In response to a March 1, 2002 e-mail from GoDigital Networks, Committee A sent GoDigital a March 7, 2002, letter acknowledging deletion of GoDigital's GDSL-8 and GDSL-3i from the access equipment listing on page 6.1 of the List of Materials.

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