

**APPENDIX A**

**DESCRIPTION OF CABLE SAMPLES**

**EXPORT CHALLENGER**

ETSI # <sup>1</sup>	Sample Description	D <sup>2</sup>	P <sup>3</sup>
7068	Two conductors. Copper armor. Two-layer outer insulation of black plastic wrapping over black plastic. One-layer plastic insulation on each conductor. White filler.	1/2	5
7069	Microwave (RADAR) guide tube. No armor. Black plastic outer insulation. Heavy fabric inner layer.	1	2
7071	Two conductors. Copper armor. Two-layer outer insulation of black plastic wrapping over black plastic. One-layer plastic insulation on each conductor. White filler. Same as 7068.	1/2	5
7072	Three conductors. No armor. Black plastic outer insulation. One-layer plastic insulation on each conductor. Wrapping surrounds filler.	3/8	6
7074	Nineteen conductors. No armor. Gray plastic outer insulation. One-layer plastic insulation on each conductor. No filler.	1/2	20
7077	Two conductors. Gray metal armor. Two-layer outer insulation of black wrapping over black plastic. Two-layer insulation on each conductor of black plastic wrapping over fabric inner wrapping. Salmon-colored, putty-like filler.	1/2	8
7078	Seven conductors. Copper armor. Black plastic outer insulation. Two-layer insulation on each conductor; fabric over plastic. Wrapping surrounds filler.	3/4	17
7088	Two conductors. Bronze armor. Black plastic outer insulation. Inner conductors coated with white plastic and black wrapping. Brown fibrous filler. Same as 7104.	3/8	7
7094	Two conductors. Gray metal armor. All fabric construction. Fabric outer insulation, fabric filler, fabric insulation on each conductor.	1/2	4

**EXPORT CHALLENGER**

<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7095	Two conductors. Gray metal armor. All fabric construction. Fabric outer wrapping. Single fabric wrapping on each conductor. Wrapping surrounds filler. Same as 7099.	1/2	4
7097	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over black plastic. Two-layer insulation on each conductor. Wrapping surrounds filler.	1/2	10
7099	Two conductors. Gray metal armor. All fabric construction. Fabric outer wrapping. Single fabric wrapping on each conductor. Wrapping surrounds filler.	1/2	4
7104	Two conductors. Bronze armor. Black plastic outer insulation. Each conductor coated with white plastic and black wrapping. Brown fibrous filler.	3/8	7
7198	Two conductors. Bronze armor. Black plastic outer insulation. Each conductor coated with white fabric over white plastic. Filler.	1/2	7
7200	Two conductors. Copper armor. Black fabric outer insulation. Two-layer insulation on each conductor; black plastic outer insulation over fabric. Filler.	3/8	7
7201	Two conductors. No armor. Black wrapping over black plastic outer insulation. Black fabric over white plastic on each conductor. Black wrapping surrounds filler. Same as 7227	3/8	8
7202	One conductor. No armor. Two-layer outer insulation; black wrapping over black plastic. Fabric coating over inner white plastic coating. Filler imbedded within the wires of the conductor.	3/8	5

**EXPORT CHALLENGER**

<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7203	One conductor. No armor. Woven fabric insulation. No filler.	1/4	1
7204	Two conductors. Copper armor. Two layer outer insulation; black wrapping over black plastic. Each conductor coated with white plastic with separate wrapping. Wrapping surrounds filler.	1/2	8
7205	Two conductors. Bronze armor. Black plastic outer insulation. White plastic insulation on inner conductors. Filler. Same as 7206.	3/8	5
7206	Two conductors. Bronze armor. Black plastic outer insulation. White plastic insulation on inner conductors. Filler.	3/8	5
7212	Three conductors. Copper armor. Exterior fabric wrapping around plastic outer insulation. Two fabric wrappings around each conductor. Wrapping surrounds filler. Waxy impregnant throughout.	1 7/8	10
7215	One conductor. No armor. Battery cable. Black tape over black plastic outer insulation. No filler.	1/2	2
7220	Three conductors. Wrapped fabric-like black outer insulation. Fabric-like wrapping around each conductor. Gray filler. Waxy impregnant.	1 7/8	10
7222	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over black plastic. Three-layer insulation on each conductor. Wrapping surrounds filler.	2	13
7224	Three conductors. Copper armor. Black plastic outer insulation. Two-layer insulation on each conductor; fabric over plastic (one white, one black, one red). Wrapping surrounds filler. Same as 7226.	5/8	9

**EXPORT CHALLENGER**

ETSI # <sup>1</sup>	Sample Description	D <sup>2</sup>	P <sup>3</sup>
7226	Three conductors. Copper armor. Black plastic outer insulation. Two-layer insulation on each conductor; fabric over plastic (one white, one black, one red). Wrapping surrounds filler.	5/8	9
7227	Two conductors. No armor. Black wrapping over black plastic outer insulation. Black fabric over white plastic on each conductor. Black wrapping surrounds filler.	3/8	8
7230	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over black plastic. Two-layer insulation on each conductor; black fabric over white fabric. White fabric wrapping surrounds filler.	1 1/4	10
7243	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over black plastic. Three layer insulation on each conductor; black fabric outer layer, color coded fabric middle layer, white plastic inner layer. White fabric wrapping surrounds filler. May be the same as 7249 but diameter appears larger.	1 1/4	13
7245	12 conductors. Copper armor. Two-layer outer insulation; black wrapping over gray plastic. Two-layer insulation on each conductor; fabric over plastic. White fibrous filler.	1	27
7247	Two conductors. No armor. Black wrapping over black plastic outer insulation. Black fabric over white plastic on each conductor. Black wrapping surrounds filler. Same as 7227.	3/8	8
7249	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over gray plastic. Three layer insulation on each conductor; black fabric outer layer, color coded fabric middle layer, white plastic inner layer. Three different fibers used in filler. Wrapping surrounds filler.	1	13

## EXPORT CHALLENGER

ETSI # <sup>1</sup>	Sample Description	D <sup>2</sup>	P <sup>3</sup>
7251	Three conductors. Copper armor. Two-layer outer insulation; black wrapping over gray plastic. Each conductor has three layer insulation; black fabric outer layer, color coded fabric middle layer, white plastic inner layer. Three different fibers used in filler. Wrapping surrounds filler. Same as 7249.	1	13

<sup>1</sup> The ETSI chain-of-custody number.

<sup>2</sup> The diameter of the cable in inches.

<sup>3</sup> The number of different nonmetallic parts in the cable.

**SHIRLEY LYKES**

<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7166	One conductor. No armor. Internal electric shield around single small conductor. One-layer outer plastic insulation. Inner plastic insulation.	3/8	2
7168	Eight conductors. Copper armor. Two-layer black plastic outer insulation. Three-layer insulation on each conductor. Wrapping surrounds white fibrous filler. Same as 7433.	3/4	28
7169	Two conductors. Bronze armor. Two-layer outer insulation. Two-layer insulation on each conductor. Wrapping surrounds filler. Same as 7178.	3/8	8
7174	Two conductors. Bronze armor. Two-layer outer insulation. Wrapping surrounds filler. Two-layer insulation on each conductor. Same as 7265.	1/2	8
7176	Two conductors, telephone handset cable. Outer black insulation. Fibrous filler. One-layer plastic insulation on each conductor.	1/4	4
7178	Two conductors. Bronze armor. Two-layer outer insulation. Two-layer insulation on each conductor. Wrapping surrounds filler.	3/8	8
7179	Two conductors. Bronze armor. Two-layer outer insulation. Two-layer insulation on each conductor. Wrapping surrounds filler. Same as 7178.	3/8	8
7182	Two conductors. Gray metal armor. Two-layer outer insulation. Wrapping surrounds filler. Two-layer insulation on each conductor. Filler is two different materials; one brown fiber, one white fiber.	3/8	9
7185	Three conductors. No armor. Gray outer insulation. One-layer plastic insulation on each conductor. Wrapping surrounds filler.	1/4	6
7188	Two conductors. Bronze armor. Two-layer black plastic outer insulation. Two-layer insulation on each conductor.	1 3/4	8
7193	Three conductors. Two-layer plastic outer insulation. Three layer insulation on each conductor. Wrapping surrounds filler.	7/8	13







**SHIRLEY LYKES**

<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7295	Three conductors. Bronze armor. Two layer gray plastic outer insulation. Two-layer plastic/fabric insulation on each conductor. Black wrapping surrounds white fabric filler. Same as 7283.	½	10
7431	Two conductors. Bronze armor. Two-layer outer insulation. Wrapping surrounds filler. Two-layer insulation on each conductor. Same as 7265.	½	8
7433	Eight conductors. Bronze armor. Two-layer black plastic outer insulation. Three-layer insulation on each conductor. Wrapping surrounds white fibrous filler.	¾	28
7436	Three conductors. Bronze armor. Two layer gray plastic outer insulation. Two-layer plastic/fabric insulation on each conductor. Black wrapping surrounds white fabric filler. Same as 7283.	1/2	10
7440	Three conductors. Bronze armor. Two-layer outer insulation. Two-layer plastic insulation on each conductor. Wrapping surrounds filler.	1/2	10
7442	Thirty conductors. Bronze armor. One-layer plastic outer insulation. Wrapping surrounds fibrous filler. Three plastic layers on each conductor. Same as 7293.	1 3/8	93
7451	Two conductors. Bronze armor. One-layer outer insulation. Two-layer plastic/fabric insulation on each conductor. Fabric wrapping surrounds fibrous filler.	1/2	7
7453	Four conductors. Bronze armor. One-layer outer insulation. Two layer insulation on each conductor. Wrapping surrounds filler.	1/2	11
7454	Two conductors. Bronze armor. Two-layer outer insulation. Two-layer insulation on each conductor. Wrapping surrounds filler. Same as 7178	3/8	8

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<sup>2</sup> The diameter of the cable in inches.

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**WAYNE VICTORY**

<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7460	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic Wrapping over fibrous filler. Same as 7488.	5/8	7
7461	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic. Wrapping over fibrous filler. Same construction as 7488, but larger.	1 1/4	7
7463	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic Wrapping over fibrous filler. Same construction as 7488, but larger.	3/4	7
7464	One conductor. No armor. Outer plastic wrapping over outer fabric insulation. Thin plastic wrapping over conductor.	7/8	3
7465	One conductor. No armor. Outer plastic wrapping over outer fabric insulation. Thin plastic wrapping over conductor. Same construction as 7464, with smaller diameter conductor.	1/2	3
7467	Three conductors. Bronze armor. Fabric wrapping over lead cover. Fabric wrapping over plastic insulation on each conductor. Wrapping around fibrous filler.	3/4	9

**WAYNE VICTORY**

ETSI # <sup>1</sup>	Sample Description	D <sup>2</sup>	P <sup>3</sup>
7475	Three conductors. Bronze armor. Fabric wrapping over lead cover. Fabric wrapping over plastic insulation on each conductor. Wrapping around fibrous filler. Appears to be the same as 7467, but sample is too disrupted for good identification.	3/4	9
7482	Six conductors. Rusted steel armor. Fabric wrapping over lead cover. Two fabric wrappings over plastic insulation on each conductor. Wrapping over fibrous filler.	5/8	15
7484	Six conductors. Rusted steel armor. Fabric wrapping over lead cover. Two fabric wrappings over plastic insulation on each conductor. Wrapping over fibrous filler. Same construction as 7482, but larger.	7/8	15
7485	Twenty four conductors. Rusted steel armor. No lead cover. Plastic outer insulation. Two-layer insulation on each conductor. Wrapping around fibrous filler.	7/8	51
7486	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic. Wrapping over fibrous filler. Same as 7488.	5/8	7
7488	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic. Wrapping over fibrous filler.	5/8	7
7489	Three conductors. Extension cord. No armor. Black plastic outer insulation. One-layer plastic insulation on each conductor. White paper wrapping around gray paper filler.	1/4	6
7490	Two conductors. Rusted steel armor. Two-layer outer plastic insulation. One-layer plastic insulation on each conductor. Fibrous filler. Same as 7508.	5/8	5

<b>WAYNE VICTORY</b>			
<b>ETSI #<sup>1</sup></b>	<b>Sample Description</b>	<b>D<sup>2</sup></b>	<b>P<sup>3</sup></b>
7495	Two conductors. Rusted steel armor. Plastic wrapping over lead cover. Two-layer insulation on each conductor. Fibrous filler.	1 1/8	7
7502	Two conductors. Shielded coaxial. One layer outer black plastic insulation. Metallized film shield. One-layer plastic insulation on each conductor. Filler.	1 1/16	5
7503	Two conductors. Rusted steel armor. Two-layer outer plastic insulation. One-layer plastic insulation on each conductor. Fibrous filler. Same as 7508.	5/8	5
7505	Two conductors. Rusted steel armor. Two-layer outer plastic insulation. One-layer plastic insulation on each conductor. Fibrous filler. Same as 7508.	5/8	5
7506	Two conductors. Rusted steel armor. Two-layer outer plastic insulation. One-layer plastic insulation on each conductor. Fibrous filler. Same as 7508.	5/8	5
7508	Two conductors. Rusted steel armor. Two-layer outer plastic insulation. One-layer plastic insulation on each conductor. Fibrous filler.	5/8	5
7513	Two conductors. Rusted steel armor. No lead cover. One-layer plastic outer insulation. Fabric wrapping on waxy fibrous filler. One layer insulation on each conductor.	3/8	5
7516	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic Wrapping over fibrous filler. Same as 7488.	5/8	7
7524	Two conductors. Rusted steel armor. Wrapping over lead cover. Two-layer insulation on each conductor; fabric over plastic Wrapping over fibrous filler. Same as 7488.	5/8	7

WAYNE VICTORY			
ETSI # <sup>1</sup>	Sample Description	D <sup>2</sup>	P <sup>3</sup>
7526	Three conductors. Rusted steel armor. Fabric wrapping over lead cover. Two-layer insulation on each conductor. Wrapping around fibrous filler.	1 1/4	9

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