

Section 10. Fire Alarm Cable



Table of Contents

Featured Manufacturer: Honeywell

Fire Alarm Jacketed Unshielded, Direct Burial	219
Fire Alarm Jacketed Unshielded, Riser Rated	219
Fire Alarm Jacketed (Overall Shield), Riser Rated	220
Fire Alarm Mid Cap Unshielded, Riser Rated	220
Fire Alarm Mid Cap (Overall Shield), Riser Rated	221
Fire Alarm Jacketed Unshielded, Plenum Rated	221
Fire Alarm Jacketed (Overall Shield), Plenum Rated	222
Jacketed Unshielded LL5	222
Jacketed Shielded LL5 (Overall Shield).....	223



Cable Products Distributor



Fire Alarm Jacketed Unshielded, Direct Burial

Construction: **Conductors:** Stranded Copper Conductors; **Insulation:** PVC Insulation;
Jacket: High Molecular Weight PVC Jacket, Color: Black

Features:

Available in 500 foot or 1000 foot put-ups

Applications:

Wiring for Outdoor or Underground. Sunlight Resistant

Additional Information:

OK for use with all Power-Limited Circuits except those in Risers and Plenums, but intended for Outdoor or Underground Use.



FIRE ALARM JACKETED UNSHIELDED, DIRECT BURIAL 60°C

PART NUMBER	AWG	#/COND.	STR	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPL18/2-7N-DB	18	2	STR.	.260	19	FPL, CL2	37 (LBS)	4156
FPL18/4-7N-DB	18	4	STR.	.295	19	FPL, CL2	59 (LBS)	4157
FPL18/6-7N-DB	18	6	STR.	.345	19	FPL, CL2	76 (LBS)	4158
FPL16/2-7N-DB	16	2	STR.	.282	21	FPL, CL2	45 (LBS)	4151
FPL14/2-7N-DB	14	2	STR.	.310	23	FPL, CL2	60 (LBS)	4153
FPL14/4-7N-DB	14	4	STR.	.355	23	FPL, CL2	102 (LBS)	4154

Technical Data:

Temperature:
60°C

Rated Voltage: 300V

Color Code:
01=BLK, 02=RED, 03=WHT,
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Fire Alarm Jacketed Unshielded, Riser Rated

Construction: **Conductors:** Copper Conductors; **Insulation:** Polypropylene Insulation;
Jacket: Polyvinyl-Chloride. Standard Jacket Color: Red or White

Features:

Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.

Additional Information:

OK for use with all Power-Limited Circuits except those in Plenums.



FIRE ALARM JACKETED UNSHIELDED, RISER RATED 75°C

PART NUMBER	AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLR22/4-1N	22	4	SOL.	.122	15	FPLR/CL2R, C(UL), FT4	15 (LBS)	4301
FPLR22/6-1N	22	6	SOL.	.144	15	FPLR/CL2R, C(UL), FT4	19 (LBS)	4302
FPLR22/8-1N	22	8	SOL.	.156	15	FPLR/CL2R, C(UL), FT4	25 (LBS)	4303
FPLR22/10-1N	22	10	SOL.	.182	15	FPLR/CL2R, C(UL), FT4	30 (LBS)	4304
FPLR22/12-1N	22	12	SOL.	.188	15	FPLR/CL2R, C(UL), FT4	36 (LBS)	4305
FPLR18/2-1N	18	2	SOL.	.138	19	FPLR/CL2R, C(UL), FT4	17 (LBS)	4306
FPLR18/4-1N	18	4	SOL.	.174	19	FPLR/CL2R, C(UL), FT4	34 (LBS)	4307
FPLR18/6-1N	18	6	SOL.	.187	19	FPLR/CL2R, C(UL), FT4	44 (LBS)	4308
FPLR18/8-1N	18	8	SOL.	.208	19	FPLR/CL2R, C(UL), FT4	54 (LBS)	4309
FPLR18/10-1N	18	10	SOL.	.244	19	FPLR/CL2R, C(UL), FT4	67 (LBS)	4310
FPLR16/2-1N	16	2	SOL.	.160	20	FPLR/CL2R, C(UL), FT4	24 (LBS)	4311
FPLR16/4-1N	16	4	SOL.	.184	20	FPLR/CL2R, C(UL), FT4	43 (LBS)	4312
FPLR14/2-1N	14	2	SOL.	.184	22	FPLR/CL2R, C(UL), FT4	37 (LBS)	4313
FPLR14/4-1N	14	4	SOL.	.214	22	FPLR/CL2R, C(UL), FT4	65 (LBS)	4314
FPLR12/2-1N	12	2	SOL.	.214	22	FPLR/CL2R, C(UL), FT4	55 (LBS)	4315

Technical Data:

Temperature:
75°C

Rated Voltage: 300V

Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Complete catalog available online at:
www.lapptannehill.com

Honeywell

Cable Products Distributor

Fire Alarm Cable

Fire Alarm Jacketed (Overall Shield), Riser Rated

Construction: **Conductors:** Copper Conductors; **Insulation:** Polypropylene;
Jacket: Polyvinyl-Chloride Jacket

Features:

Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings.

Applications:

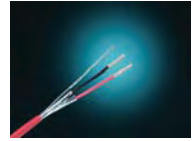
Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant

Additional Information:

OK for use with all Power-Limited Circuits except those in Plenums.

FIRE ALARM JACKETED (OVERALL SHIELD), RISER RATED 75°C

PART NUMBER	AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLR22/4-1S	22	4	SOL.	.126	31	FPLR/CL2R, C(UL), FT4	16 (LBS)	4401
FPLR18/2-1S	18	2	SOL.	.138	42	FPLR/CL2R, C(UL), FT4	21 (LBS)	4402
FPLR18/4-1S	18	4	SOL.	.163	42	FPLR/CL2R, C(UL), FT4	32 (LBS)	4403
FPLR18/6-1S	18	6	SOL.	.196	42	FPLR/CL2R, C(UL), FT4	46 (LBS)	4404
FPLR18/8-1S	18	8	SOL.	.212	42	FPLR/CL2R, C(UL), FT4	56 (LBS)	4405
FPLR16/2-1S	16	2	SOL.	.158	46	FPLR/CL2R, C(UL), FT4	31 (LBS)	4406
FPLR16/4-1S	16	4	SOL.	.190	46	FPLR/CL2R, C(UL), FT4	49 (LBS)	4407
FPLR14/2-1S	14	2	SOL.	.192	52	FPLR/CL2R, C(UL), FT4	42 (LBS)	4408
FPLR14/4-1S	14	4	SOL.	.218	52	FPLR/CL2R, C(UL), FT4	72 (LBS)	4409
FPLR12/2-1S	12	2	SOL.	.218	56	FPLR/CL2R, C(UL), FT4	60 (LBS)	4410



Technical Data:

 **Temperature:**
75°C

 **Rated Voltage:** 300V

 **Color Code:**
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Fire Alarm Mid Cap Unshielded, Riser Rated

Construction: **Conductors:** Copper Conductors; **Insulation:** Polypropylene;
Jacket: Polyvinyl-Chloride. Standard Jacket Color: Red

Features:

Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Wiring of Mid-Capacitance Addressable Fire-Protective Signaling Circuits. Sunlight Resistant.

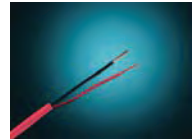
Additional Information:

OK for use with all Power-Limited Circuits except those in Plenums

FIRE ALARM MID CAP UNSHIELDED, RISER RATED 75°C

PART NUMBER	AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLR18/2-1NMC	18	2	SOL.	.144	15	FPLR/CL2R, C(UL), FT4	19 (LBS)	4431
FPLR16/2-1NMC	16	2	SOL.	.170	17	FPLR/CL2R, C(UL), FT4	26 (LBS)	4432
FPLR14/2-1NMC	14	2	SOL.	.208	19	FPLR/CL2R, C(UL), FT4	38 (LBS)	4433
FPLR12/2-1NMC	12	2	SOL.	.256	22	FPLR/CL2R, C(UL), FT4	60 (LBS)	4434*

*Consult Lapp Tannehill for availability.



Technical Data:

 **Temperature:**
75°C

 **Rated Voltage:** 300V

 **Color Code:**
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Check out our complete inventory of products at www.lapptannehill.com

Honeywell

Cable Products Distributor



Fire Alarm Mid Cap (Overall Shield), Riser Rated

Construction: **Conductors:** Twisted Copper Conductors. Aluminum/Mylar Shield with Drain Wire;
Insulation: Polypropylene; **Jacket:** Polyvinyl-Chloride. Standard Jacket Color: Red

Features:

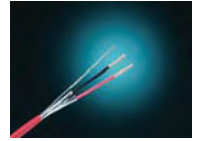
Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Wiring of Mid-Capacitance Fire-Protective Signaling Circuits. Sunlight Resistant

Additional Information:

OK for use with all Power-Limited Circuits except those in Plenums



Technical Data:

Temperature:
75°C

Rated Voltage: 300V

Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

FIRE ALARM MID CAP SHIELDED (OVERALL SHIELD) RISER RATED 75°C

PART NUMBER	AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLR18/2-1NMC	18	2	SOL.	.148	34	FPLR/CL2R, C(UL), FT4	21 (LBS)	4441
FPLR16/2-1NMC	16	2	SOL.	.187	38	FPLR/CL2R, C(UL), FT4	32 (LBS)	4442
FPLR14/2-1NMC	14	2	SOL.	.212	41	FPLR/CL2R, C(UL), FT4	43 (LBS)	4443
FPLR12/2-1NMC	12	2	SOL.	.260	48	FPLR/CL2R, C(UL), FT4	48 (LBS)	4444*

*Consult Lapp Tannehill for availability.

Fire Alarm Jacketed Unshielded, Plenum Rated

Construction: **Conductors:** Copper Conductors; **Insulation:** Low Smoke PVC;
Jacket: Low Smoke PVC Jacket and Ripcord. Standard jacket color: Red

Features:

Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Wiring of Fire-Protective Signaling Circuits

Additional Information:

OK for use with all Power-Limited Circuits



Technical Data:

Temperature:
75°C

Rated Voltage: 300V

Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

FIRE ALARM JACKETED UNSHIELDED, PLENUM RATED 75°C

PART NUMBER	AWG	#/COND	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLP22/6-1N	22	6	SOL.	.144	22	FPLP/CL2P C(UL), FT6	21 (LBS)	4502
FPLP22/10-1N	22	10	SOL.	.182	22	FPLP/CL2P C(UL), FT6	33 (LBS)	4504*
FPLP22/12-1N	22	12	SOL.	.188	22	FPLP/CL2P C(UL), FT6	38 (LBS)	4505
FPLP18/2-1N	18	2	SOL.	.134	24	FPLP/CL2P C(UL), FT6	19 (LBS)	4506
FPLP18/4-1N	18	4	SOL.	.156	24	FPLP/CL2P C(UL), FT6	32 (LBS)	4507
FPLP18/6-1N	18	6	SOL.	.192	24	FPLP/CL2P C(UL), FT6	45 (LBS)	4508
FPLP16/2-1N	16	2	SOL.	.154	27	FPLP/CL2P C(UL), FT6	26 (LBS)	4511
FPLP16/4-1N	16	4	SOL.	.180	27	FPLP/CL2P C(UL), FT6	47 (LBS)	4512
FPLP14/2-1N	14	2	SOL.	.182	27	FPLP/CL2P C(UL), FT6	38 (LBS)	4513
FPLP14/4-1N	14	4	SOL.	.214	27	FPLP/CL2P C(UL), FT6	68 (LBS)	4514
FPLP12/2-1N	12	2	SOL.	.214	30	FPLP/CL2P C(UL), FT6	55 (LBS)	4515

*Consult Lapp Tannehill for availability.

Please contact your sales representative for detailed information at sales@lapptannehill.com

Honeywell

Cable Products Distributor

Fire Alarm Cable



LAPP Tannehill

221

800.633.6339 • www.lapptannehill.com

Fire Alarm Cable

Fire Alarm Jacketed (Overall Shield), Plenum Rated

Construction: **Conductors:** Twisted Copper Conductors. Aluminum/Mylar Shield with Drain Wire;
Insulation: Low Smoke PVC; **Jacket:** Low Smoke PVC Jacket and Ripcord. Standard jacket color: Red

Features:

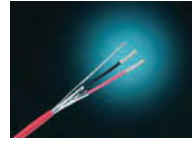
Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Wiring of Fire-Protective Signaling Circuits

Additional Information:

OK for use with all Power-Limited Circuits



FIRE ALARM JACKETED SHIELDED (OVERALL SHIELD) PLENUM RATED 75°C

PART NUMBER	AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLP22/4-1S	22	4	SOL.	.126	53	FPLP/CL2P C(UL), FT6	18 (LBS)	4601
FPLP18/2-1S	18	2	SOL.	.140	68	FPLP/CL2P C(UL), FT6	22 (LBS)	4602
FPLP18/4-1S	18	4	SOL.	.168	68	FPLP/CL2P C(UL), FT6	35 (LBS)	4603
FPLP18/6-1S	18	6	SOL.	.196	68	FPLP/CL2P C(UL), FT6	50 (LBS)	4604
FPLP16/2-1S	16	2	SOL.	.158	77	FPLP/CL2P C(UL), FT6	35 (LBS)	4606
FPLP16/4-1S	16	4	SOL.	.186	77	FPLP/CL2P C(UL), FT6	52 (LBS)	4607
FPLP14/2-1S	14	2	SOL.	.186	86	FPLP/CL2P C(UL), FT6	44 (LBS)	4608
FPLP14/4-1S	14	4	SOL.	.218	86	FPLP/CL2P C(UL), FT6	75 (LBS)	4609
FPLP12/2-1S	12	2	SOL.	.218	96	FPLP/CL2P C(UL), FT6	63 (LBS)	4610

Technical Data:



Temperature:
75°C



Rated Voltage: 300V



Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Jacketed Unshielded LL5

Construction: **Conductors:** Copper Conductors; **Insulation:** Fluoropolymer;
Jacket: Fluoropolymer. Standard Jacket Color: Red

Features:

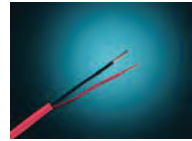
Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Fire Protective Signaling Circuits installed in the City of New York

Additional Information:

Meets the requirements of New York City Local Law 5, and New York State Toxicity



JACKETED UNSHIELDED LL5 150°C

PART NUMBER	AWG	#/PAIRS	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
FPLP18/1P-1NLL5	18	1	SOL.	.198	45	FPLP, NYC LL5	26 (LBS)	5500*
FPLP18/2P-1NLL5	18	2	SOL.	.312	45	FPLP, NYC LL5	47 (LBS)	5501*
FPLP16/1P-1NLL5	16	1	SOL.	.214	55	FPLP, NYC LL5	36 (LBS)	5502
FPLP16/2P-1NLL5	16	2	SOL.	.345	55	FPLP, NYC LL5	62 (LBS)	5503*
FPLP14/1P-1NLL5	14	1	SOL.	.244	60	FPLP, NYC LL5	47 (LBS)	5504
FPLP14/2P-1NLL5	14	2	SOL.	.374	60	FPLP, NYC LL5	87 (LBS)	5506
FPLP12/2P-1NLL5	12	1	SOL.	.272	65	FPLP, NYC LL5	67 (LBS)	5505*

*Consult Lapp Tannehill for availability.

Technical Data:



Temperature:
150°C



Rated Voltage: 300V



Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Honeywell

Cable Products Distributor



Jacketed Shielded LL5 (Overall Shield)

Construction: **Conductors:** Copper Conductors. Aluminum/Mylar Shield; **Insulation:** Fluoropolymer;
Jacket: Fluoropolymer

Features:

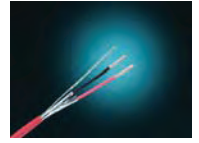
Available in 500 foot or 1000 foot put-ups. Sequential Footage Markings

Applications:

Fire Protective Signaling Circuits installed in the City of New York.

Additional Information:

Meets the requirements of New York City Local Law 5, and New York State Toxicity.



Technical Data:



Temperature:
150°C



Rated Voltage: 300V



Color Code:
01=BLK, 02=RED, 03=GRN,
04=YEL, 05=BRN, 06=BLU,
07=PPL, 08=PNK, 09=TAN,
10=ORG, 11=BLK/WHT,
12=RED/WHT

JACKETED SHIELDED LL5 (OVERALL SHIELD) 150°C

PART NUMBER	AWG	#/PAIRS	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFRG. PIN#
FPLP18/1P-1SLL5	18	1	SOL.	.202	80	FPLP, NYC LL5	28 (LBS)	5550*
FPLP18/2P-1SLL5	18	2	SOL.	.316	80	FPLP, NYC LL5	51 (LBS)	5551*
FPLP16/1P-1SLL5	16	1	SOL.	.215	100	FPLP, NYC LL5	42 (LBS)	5552
FPLP16/2P-1SLL5	16	2	SOL.	.343	100	FPLP, NYC LL5	71 (LBS)	5553
FPLP14/1P-1SLL5	14	1	SOL.	.243	110	FPLP, NYC LL5	51 (LBS)	5554
FPLP14/2P-1SLL5	14	2	SOL.	.398	110	FPLP, NYC LL5	93 (LBS)	5555*
FPLP12/1P-1SLL5	12	1	SOL.	.276	130	FPLP, NYC LL5	75 (LBS)	5556*

*Consult Lapp Tannehill for availability.

Not finding what you are looking for?

Please contact us at sales@lapptannehill.com, or visit our website at: www.lapptannehill.com

Honeywell

Cable Products Distributor

Fire Alarm Cable



LAPP TANNERHILL

223

