



ÖLFLEX® CLEANROOM FD 8661 MC D FR

LAPP KABEL STUTTGART ÖLFLEX® CLEANROOM FD 8661 MC D FR

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter
- Copper shielding protects against electromagnetic interference

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- IEC 60332-1-2 flame retardant
- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 2
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- Spiral shield made of tinned copper wires
- Wrapping of Teflon tape
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance
- Spiral copper shield

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 MC D FR				
108419	2X0.14	4.2	3	20
108421	2X0.25	4.6	5	25
108423	2X0.34	4.8	7	28
108425	2X0.5	5.0	10	32
108427	2X0.75	5.6	14	40
108429	3X0.14	4.3	4	22
108431	3X0.25	4.8	7	29
108433	3X0.34	5.0	10	33
108435	3G0.5	5.2	14	38
108437	3G0.75	5.9	22	50
108439	4X0.14	4.6	5	25
108441	4X0.25	5.0	10	33
108443	4X0.34	5.3	13	38
108445	4G0.5	5.5	19	46
108459	4G0.75	6.5	29	63
108461	4G1	7.0	38	78
108463	4G1.5	8.0	58	104
108465	5X0.14	4.8	7	28
108467	5X0.25	5.4	12	38
108469	5X0.34	5.6	16	44
108471	5G0.5	5.9	24	53
108473	5G0.75	6.9	36	74
108475	5G1	7.5	48	92
108477	5G1.5	8.8	72	128
108483	6X0.14	5.1	8	31
108485	6X0.25	5.7	14	42
108488	6X0.34	6.0	20	49
108490	6G0.5	6.5	29	64
108492	6G0.75	7.4	43	85
108494	7X0.14	5.3	9	34
108496	7X0.25	5.9	17	47
108498	7X0.34	6.5	23	58
108501	7G0.5	6.8	34	71
108503	7G0.75	7.9	50	95
108505	7G1	8.7	67	124
108508	7G1.5	10.1	101	168
108510	10X0.14	5.8	13	42
108512	10X0.25	6.8	24	62
108514	10X0.34	7.2	33	74
108516	10G0.5	7.6	48	92
108519	10G0.75	9.1	72	130
108521	12X0.14	5.9	16	46
108523	12X0.25	7.0	29	69
108525	12X0.34	7.4	39	83
108527	12G0.5	7.9	58	104
108529	12G0.75	9.3	86	147



ÖLFLEX® CLEANROOM FD 8661 MC D

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter
- Copper shielding protects against electromagnetic interference

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 1
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- Spiral shield made of tinned copper wires
- Wrapping of Teflon tape
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance
- Spiral copper shield

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 MC D				
108418	2X0.14	4.2	3	16
108420	2X0.25	4.6	5	21
108422	2X0.34	4.8	7	23
108424	2X0.5	5.0	10	27
108426	2X0.75	5.6	14	35
108428	3X0.14	4.3	4	19
108430	3X0.25	4.8	7	24
108432	3X0.34	5.0	10	28
108434	3G0.5	5.2	14	34
108436	3G0.75	5.9	22	44
108438	4X0.14	4.6	5	21
108440	4X0.25	5.0	10	28
108442	4X0.34	5.3	13	33
108444	4G0.5	5.5	19	40
108458	4G0.75	6.5	29	56
108460	4G1	7.0	38	70
108462	4G1.5	8.0	58	95
108464	5X0.14	4.8	7	24
108466	5X0.25	5.4	12	33
108468	5X0.34	5.6	16	38
108470	5G0.5	5.9	24	47
108472	5G0.75	6.9	36	67
108474	5G1	7.5	48	84
108476	5G1.5	8.8	72	118
108482	6X0.14	5.1	8	27
108484	6X0.25	5.7	14	37
108487	6X0.34	6.0	20	44
108489	6G0.5	6.5	29	57
108491	6G0.75	7.4	43	77
108493	7X0.14	5.3	9	29
108495	7X0.25	5.9	17	41
108497	7X0.34	6.5	23	51
108500	7G0.5	6.8	34	64
108502	7G0.75	7.9	50	87
108504	7G1	8.7	67	114
108507	7G1.5	10.1	101	156
108509	10X0.14	5.8	13	37
108511	10X0.25	6.8	24	55
108513	10X0.34	7.2	33	66
108515	10G0.5	7.6	48	84
108518	10G0.75	9.1	72	119
108520	12X0.14	5.9	16	40
108522	12X0.25	7.0	29	62
108524	12X0.34	7.4	39	75
108526	12G0.5	7.9	58	96
108528	12G0.75	9.3	86	136



ÖLFLEX® CLEANROOM FD 8661 MC FR

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- IEC 60332-1-2 flame retardant
- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 2
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 MC FR				
108022	2X0.14	3.6	3	16
108024	2X0.25	4.0	5	21
108026	2X0.34	4.2	7	24
108030	2X0.5	4.4	10	28
108032	2X0.75	5.0	14	36
108034	3X0.14	3.7	4	19
108036	3X0.25	4.2	7	25
108038	3X0.34	4.4	10	29
108040	3G0.5	4.6	14	34
108042	3G0.75	5.3	22	46
108049	4X0.14	4.0	5	22
108051	4X0.25	4.4	10	29
108053	4X0.34	4.7	13	34
108055	4G0.5	4.9	19	42
108057	4G0.75	5.7	29	56
108059	4G1	6.4	38	73
108061	4G1.5	7.3	58	99
108063	5X0.14	4.2	7	25
108065	5X0.25	4.8	12	34
108067	5X0.34	5.0	16	40
108069	5G0.5	5.3	24	49
108071	5G0.75	6.3	36	69
108073	5G1	6.9	48	87
108075	5G1.5	8.0	72	118
108077	6X0.14	4.6	8	28
108079	6X0.25	5.2	14	39
108081	6X0.34	5.5	20	46
108083	6G0.5	5.8	29	57
108085	6G0.75	7.0	43	81
108087	7X0.14	4.8	9	31
108089	7X0.25	5.5	17	43
108091	7X0.34	5.8	23	52
108093	7G0.5	6.4	34	67
108095	7G0.75	7.4	50	91
108097	7G1	8.0	67	116
108099	7G1.5	9.6	101	164
108101	10X0.14	5.4	13	39
108103	10X0.25	6.4	33	59
108105	10X0.34	6.8	48	70
108107	10G0.5	7.2	48	88
108109	10G0.75	8.6	72	125
108113	12X0.14	5.5	16	43
108115	12X0.25	6.5	29	65
108117	12X0.34	6.9	39	79
108119	12G0.5	7.4	58	100
108121	12G0.75	8.8	86	143



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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 1
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

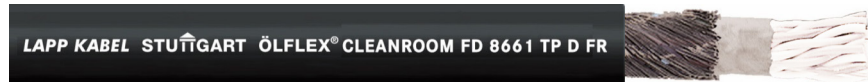
Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 MC				
108021	2X0.14	3.6	3	14
108023	2X0.25	4.0	5	18
108025	2X0.34	4.2	7	20
108029	2X0.5	4.4	10	24
108031	2X0.75	5.0	14	32
108033	3X0.14	3.7	4	16
108035	3X0.25	4.2	7	21
108037	3X0.34	4.4	10	25
108039	3G0.5	4.6	14	30
108041	3G0.75	5.3	22	41
108048	4X0.14	4.0	5	18
108050	4X0.25	4.4	10	25
108052	4X0.34	4.7	13	30
108054	4G0.5	4.9	19	37
108056	4G0.75	5.7	29	50
108058	4G1	6.4	38	66
108060	4G1.5	7.3	58	91
108062	5X0.14	4.2	7	21
108064	5X0.25	4.8	12	29
108066	5X0.34	5.0	16	35
108068	5G0.5	5.3	24	44
108070	5G0.75	6.3	36	63
108072	5G1	6.9	48	80
108074	5G1.5	8.0	72	110
108076	6X0.14	4.6	8	24
108078	6X0.25	5.2	14	34
108080	6X0.34	5.5	20	41
108082	6G0.5	5.8	29	52
108084	6G0.75	7.0	43	74
108086	7X0.14	4.8	9	27
108088	7X0.25	5.5	17	38
108090	7X0.34	5.8	23	46
108092	7G0.5	6.4	34	61
108094	7G0.75	7.4	50	83
108096	7G1	8.0	67	107
108098	7G1.5	9.6	101	152
108100	10X0.14	5.4	13	34
108102	10X0.25	6.4	33	52
108104	10X0.34	6.8	48	63
108106	10G0.5	7.2	48	81
108108	10G0.75	8.6	72	115
108112	12X0.14	5.5	16	38
108114	12X0.25	6.5	29	59
108116	12X0.34	6.9	39	72
108118	12G0.5	7.4	58	92
108120	12G0.75	8.8	86	132



ÖLFLEX® CLEANROOM FD 8661 TP D FR

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter
- Copper shielding protects against electromagnetic interference

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- IEC 60332-1-2 flame retardant
- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 2
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- TP stucture
- Spiral shield made of tinned copper wires
- Wrapping of Teflon tape
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance
- Spiral copper shield

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 TP D FR				
108300	2P0.14	5.2	5	28
108664	3P0.14	5.4	8	33
108302	4P0.14	5.8	11	38
108666	5P0.14	6.4	13	47
108304	8P0.14	7.6	22	64
108668	2P0.25	5.8	10	37
108670	3P0.25	6.3	14	44
108672	4P0.25	6.8	19	56
108674	5P0.25	7.3	24	64
108676	8P0.25	9.1	38	96
108306	2P0.34	6.4	13	45
108678	3P0.34	6.7	20	55
108308	4P0.34	7.2	26	65
108680	5P0.34	7.8	33	76
108310	8P0.34	9.7	52	115
108682	2P0.5	6.7	19	54
108684	3P0.5	7.0	29	66
108686	4P0.5	7.6	38	80
108688	5P0.5	8.4	48	95
108690	8P0.5	10.3	77	144
108312	2P0.75	7.7	29	70
108692	3P0.75	8.1	43	88
108694	2P1	8.6	38	90
108696	3P1	9.0	58	115
108698	2P1.5	9.9	58	119
108700	3P1.5	10.4	86	154

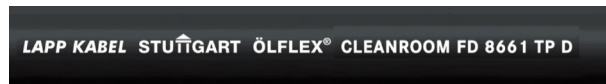
Power and control cables

Special applications • Cleanroom



ÖLFLEX® CLEANROOM FD 8661 TP D

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter
- Copper shielding protects against electromagnetic interference

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 1
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- TP stucture
- Spiral shield made of tinned copper wires
- Wrapping of Teflon tape
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance
- Spiral copper shield

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 TP D				
108299	2P0.14	5.2	5	24
108663	3P0.14	5.4	8	28
108301	4P0.14	5.8	11	33
108743	5P0.14	6.4	13	40
108303	8P0.14	7.6	22	56
108667	2P0.25	5.8	10	31
108669	3P0.25	6.3	14	38
108671	4P0.25	6.8	19	49
108673	5P0.25	7.3	24	57
108675	8P0.25	9.1	38	85
108305	2P0.34	6.4	13	39
108677	3P0.34	6.7	20	48
108307	4P0.34	7.2	26	58
108679	5P0.34	7.8	33	68
108309	8P0.34	9.7	52	104
108681	2P0.5	6.7	19	47
108683	3P0.5	7.0	29	59
108685	4P0.5	7.6	38	72
108687	5P0.5	8.4	48	86
108689	8P0.5	10.3	77	132
108311	2P0.75	7.7	29	62
108691	3P0.75	8.1	43	80
108693	2P1	8.6	38	80
108695	3P1	9.0	58	104
108697	2P1.5	9.9	58	107
108699	3P1.5	10.4	86	142



ÖLFLEX® CLEANROOM FD 8661 TP FR

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- IEC 60332-1-2 flame retardant
- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 1
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- TP stuctrue
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 TP FR				
108123	2P0.14	4.7	5	26
108125	3P0.14	5.0	8	30
108127	4P0.14	5.3	11	35
108129	5P0.14	5.7	13	41
108131	8P0.14	7.2	22	61
108133	2P0.25	5.4	10	34
108135	3P0.25	5.7	14	41
108137	4P0.25	6.3	19	53
108139	5P0.25	6.8	24	61
108141	8P0.25	8.6	38	92
108143	2P0.34	5.7	13	40
108145	3P0.34	6.2	20	52
108147	4P0.34	6.7	26	62
108149	5P0.34	7.3	33	73
108151	8P0.34	9.2	52	111
108153	2P0.5	6.2	19	51
108155	3P0.5	6.6	29	63
108157	4P0.5	7.1	38	77
108159	5P0.5	7.7	48	91
108161	8P0.5	9.8	77	139
108163	2P0.75	7.2	29	66
108165	3P0.75	7.6	43	85
108167	2P1	7.9	38	82
108169	3P1	8.5	58	110
108171	2P1.5	9.4	58	114
108173	3P1.5	9.9	86	150



ÖLFLEX® CLEANROOM FD 8661 TP

LAPP KABEL STUTTGART ÖLFLEX® CLEANROOM FD 8661 TP

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Benefits

- High performance moving solution
- Zero particle emission at moved chain application
- Easy installation due to small cable diameter

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Assembly lines, production lines, in all kinds of machines
- High mechanical stress in CLEANROOM conditions

Product features

- Low-adhesive surface
- No dust emission

Norm references / Approvals

- CLEANROOM classification for IPA Class 1
- Power Chain application: Compliance with Assembly Guidelines Appendix T3

Product Make-up

- Conductor : Extra-fine wire strand made of class 6 tinned copper or bare copper wires
- Core insulation : Halogen free TPE compound
- Core insulation colour : White
- TP stucture
- Outer sheath : Halogen free TPV compound
- Outer sheath colour : Black



Info

- Low voltage power and control cable for CLEANROOM
- Improved characteristic in the moving performance

Technical data



Conductor stranding

extra flexible tinned copper strands according to class 6 up to 0.5 mm² and extra flexible bare copper strands for cross section over 0.5mm²



Minimum bending radius

For flexible use: 7.5 x outer diameter, Fixed installation: 4 x outer diameter



Nominal voltage

300/500 V



Test voltage

1500 V



Range of temperature

Flexing: -30°C up to +80 °C

Article number	Description EN	Outer diameter (mm)	Conductor Weight (kg/km)	Weight (kg/km)
ÖLFLEX® CLEANROOM FD 8661 TP				
108122	2P0.14	4.7	5	22
108124	3P0.14	5.0	8	26
108126	4P0.14	5.3	11	31
108128	5P0.14	5.7	13	35
108130	8P0.14	7.2	22	53
108132	2P0.25	5.4	10	29
108134	3P0.25	5.7	14	36
108136	4P0.25	6.3	19	46
108138	5P0.25	6.8	24	54
108140	8P0.25	8.6	38	82
108142	2P0.34	5.7	13	34
108144	3P0.34	6.2	20	45
108146	4P0.34	6.7	26	55
108148	5P0.34	7.3	33	65
108150	8P0.34	9.2	52	100
108152	2P0.5	6.2	19	44
108154	3P0.5	6.6	29	56
108156	4P0.5	7.1	38	70
108158	5P0.5	7.7	48	83
108160	8P0.5	9.8	77	127
108162	2P0.75	7.2	29	59
108164	3P0.75	7.6	43	77
108166	2P1	7.9	38	73
108168	3P1	8.5	58	100
108170	2P1.5	9.4	58	103
108172	3P1.5	9.9	86	138