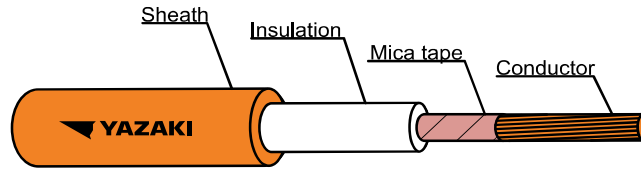


FS/FDLH-0.6/1KV-CE



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANCE FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
Single-core : Natural (Translucent)
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin(ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
Rated voltage : 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
 - Construction** : IEC 60502-1
 - Circuit integrity** : BS 6387 Category C,W,Z
 - Flame retardant** : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
 - Acid gas emission** : IEC 60754-1, IEC 60754-2
 - Smoke emission** : IEC 61034-2
 - Non-toxic gases** : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

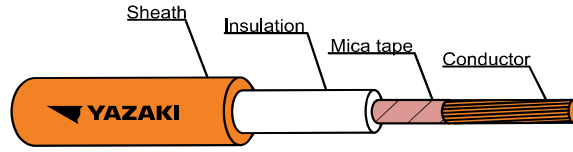
Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ·km)	Continuous current rating in free air at 40°C maximum (A)			Continuous current rating in conduit in free air at 40°C maximum (A)		Cable weight approx. (kg/km)	Standard Length (m)
								Spaced	Touching	Trefoil	1 Phase	3 Phase		
1	1.5	Non-Compacted	0.7	1.4	7.5	12.1	2,500	36	30	29	21	18	65	500/D
	2.5	Non-Compacted	0.7	1.4	8.0	7.41	2,100	47	39	38	28	25	75	500/D
	4	Non-Compacted	0.7	1.4	8.5	4.61	1,700	62	50	49	38	34	95	500/D
	6	Non-Compacted	0.7	1.4	9.0	3.08	1,450	77	62	61	49	44	120	500/D
	10	Compacted	0.7	1.4	9.5	1.83	1,250	102	82	80	68	60	160	500/D
	16	Compacted	0.7	1.4	10.5	1.15	1,000	134	106	103	91	80	220	500/D
	25	Compacted	0.9	1.4	12.0	0.727	1,050	173	135	131	121	106	330	500/D
	35	Compacted	0.9	1.4	13.5	0.524	900	212	166	161	149	131	410	500/D
	50	Compacted	1.0	1.4	14.5	0.387	850	256	201	195	180	159	550	500/D
	70	Compacted	1.1	1.5	17.0	0.268	800	324	257	249	230	202	750	500/D
	95	Compacted	1.1	1.5	18.5	0.193	650	400	318	308	278	245	1000	500/D
	120	Compacted	1.2	1.6	20.5	0.153	650	464	371	359	322	284	1300	500/D
	150	Compacted	1.4	1.6	22.5	0.124	700	530	426	412	358	311	1600	500/D
	185	Compacted	1.6	1.7	25.0	0.0991	700	613	495	479	409	349	1900	500/D
	240	Compacted	1.7	1.8	27.5	0.0754	650	731	592	572	480	410	2500	500/D
	300	Compacted	1.8	1.9	30.5	0.0601	600	843	686	661	549	468	3100	500/D
	400	Compacted	2.0	2.0	33.5	0.0470	600	985	803	773	622	531	3900	500/D
500	Compacted	2.2	2.1	37.5	0.0366	600	1150	939	900	713	606	5000	500/D	
630	Compacted	2.4	2.3	42.0	0.0283	550	1340	1094	1043	819	695	6500	500/D	
800	Compacted	2.6	2.4	46.5	0.0221	550	1542	1255	1188	965	820	8000	500/D	
1000	Compacted	2.8	2.6	52.5	0.0176	500	1764	4130	1344	1014	862	10500	300/D	

D : Packing in drum

FS/FDLH-0.6/1KV-CE



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANCE FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
Single-core : Natural (Translucent)
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin (ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
- Rated voltage** : 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
- Construction** : IEC 60502-1
- Circuit integrity** : BS 6387 Category C,W,Z
- Flame retardant** : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
- Acid gas emission** : IEC 60754-1, IEC 60754-2
- Smoke emission** : IEC 61034-2
- Non-toxic gases** : Defence standard 02-713

APPLICATION

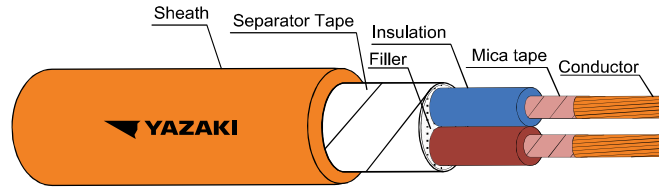
For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of cores	Nominal cross sectional area (mm ²)	A.C.Resistance R (Ω/km)			Inductance L (mH/km)			Reactance XL (Ω/km)			Impedance Z (Ω/km)		
		Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil	Space	Touching	Trefoil
1	1.5	15.4287	15.4287	15.4287	0.7969	0.6582	0.6120	0.2503	0.2068	0.1923	15.4307	15.4301	15.4299
	2.5	9.4485	9.4485	9.4485	0.7483	0.6097	0.5635	0.2351	0.1915	0.1770	9.4514	9.4504	9.4502
	4	5.8782	5.8782	5.8782	0.7056	0.5670	0.5208	0.2217	0.1781	0.1636	5.8824	5.8809	5.8805
	6	3.9273	3.9273	3.9273	0.6620	0.5234	0.4772	0.2080	0.1644	0.1499	3.9328	3.9308	3.9302
	10	2.3335	2.3335	2.3335	0.6263	0.4877	0.4415	0.1968	0.1532	0.1387	2.3418	2.3385	2.3376
	16	1.4664	1.4664	1.4664	0.5817	0.4431	0.3969	0.1827	0.1392	0.1247	1.4778	1.4730	1.4717
	25	0.9271	0.9271	0.9271	0.5313	0.3927	0.3465	0.1669	0.1234	0.1088	0.9420	0.9353	0.9335
	35	0.6683	0.6683	0.6684	0.5160	0.3773	0.3311	0.1621	0.1185	0.1040	0.6877	0.6788	0.6764
	50	0.4937	0.4937	0.4938	0.4943	0.3556	0.3094	0.1553	0.1117	0.0972	0.5175	0.5062	0.5033
	70	0.3420	0.3421	0.3422	0.4879	0.3492	0.3030	0.1533	0.1097	0.0952	0.3748	0.3593	0.3552
	95	0.2465	0.2467	0.2468	0.4744	0.3358	0.2895	0.1490	0.1055	0.0910	0.2880	0.2683	0.2630
	120	0.1956	0.1958	0.1960	0.4668	0.3282	0.2820	0.1467	0.1031	0.0886	0.2445	0.2213	0.2151
	150	0.1587	0.1590	0.1593	0.4633	0.3246	0.2784	0.1455	0.1020	0.0875	0.2154	0.1889	0.1817
	185	0.1271	0.1275	0.1278	0.4623	0.3236	0.2774	0.1452	0.1017	0.0871	0.1930	0.1631	0.1547
	240	0.0972	0.0977	0.0981	0.4545	0.3159	0.2697	0.1428	0.0992	0.0847	0.1727	0.1392	0.1296
	300	0.0779	0.0786	0.0791	0.4501	0.3115	0.2653	0.1414	0.0979	0.0833	0.1615	0.1255	0.1149
	400	0.0616	0.0624	0.0631	0.4478	0.3092	0.2630	0.1407	0.0971	0.0826	0.1536	0.1155	0.1039
500	0.0487	0.0498	0.0507	0.4436	0.3049	0.2587	0.1394	0.0958	0.0813	0.1476	0.1080	0.0958	
630	0.0387	0.0401	0.0412	0.4404	0.3017	0.2555	0.1383	0.0948	0.0803	0.1437	0.1029	0.0902	
800	0.0314	0.0331	0.0344	0.4366	0.2980	0.2518	0.1372	0.0936	0.0791	0.1407	0.0993	0.0863	
1000	0.0263	0.0282	0.0298	0.4323	0.2937	0.2474	0.1358	0.0923	0.0777	0.1383	0.0965	0.0833	

FS/FDLH-0.6/1KV-CE



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANCE FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
2 Cores : Blue, Brown
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin (ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
Rated voltage : 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
 - Construction** : IEC 60502-1
 - Circuit integrity** : BS 6387 Category C,W,Z
 - Flame retardant** : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
 - Acid gas emission** : IEC 60754-1, IEC 60754-2
 - Smoke emission** : IEC 61034-2
 - Non-toxic gases** : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in conduit in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
2	1.5	Non-Compacted	0.7	1.8	12.5	12.1	2,500	28	20	160	500/D
	2.5	Non-Compacted	0.7	1.8	13.5	7.41	2,100	38	27	190	500/D
	4	Non-Compacted	0.7	1.8	15.0	4.61	1,700	49	36	240	500/D
	6	Non-Compacted	0.7	1.8	16.0	3.08	1,450	63	46	290	500/D
	10	Compacted	0.7	1.8	17.5	1.83	1,250	84	63	390	500/D
	16	Compacted	0.7	1.8	19.5	1.15	1,000	111	83	650	500/D
	25	Compacted	0.9	1.8	23.0	0.727	1,050	147	108	750	500/D
	35	Compacted	0.9	1.8	25.0	0.524	900	181	133	950	500/D
	50	Compacted	1.0	1.8	28.0	0.387	850	219	159	1300	500/D
	70	Compacted	1.1	1.8	31.5	0.268	800	275	201	1700	500/D
	95	Compacted	1.1	1.8	35.5	0.193	650	340	241	2300	500/D
	120	Compacted	1.2	2.2	39.0	0.153	650	394	278	2800	500/D
	150	Compacted	1.4	2.3	43.0	0.124	700	449	304	3400	500/D
	185	Compacted	1.6	2.4	48.0	0.0991	700	518	349	4200	500/D
	240	Compacted	1.7	2.6	53.5	0.0754	650	614	418	5500	500/D
	300	Compacted	1.8	2.8	59.0	0.0601	600	705	484	7000	500/D
400	Compacted	2.0	3.0	65.5	0.0470	600	814	569	8500	500/D	

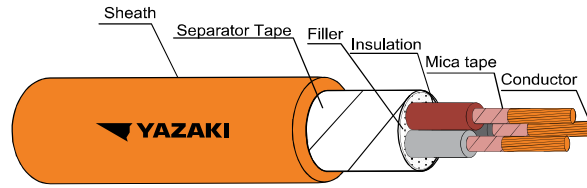
Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
2	1.5	15.4287	0.4018	0.1262	15.4292
	2.5	9.4485	0.3769	0.1184	9.4492
	4	5.8782	0.3492	0.1097	5.8793
	6	3.9273	0.3303	0.1038	3.9287
	10	2.3335	0.3124	0.0982	2.3356
	16	1.4665	0.2936	0.0922	1.4694
	25	0.9272	0.2782	0.0874	0.9313
	35	0.6684	0.2695	0.0847	0.6737
	50	0.4938	0.2546	0.0800	0.5002
	70	0.3422	0.2490	0.0782	0.3511
	95	0.2468	0.2414	0.0758	0.2582
	120	0.1960	0.2364	0.0743	0.2096
	150	0.1592	0.2369	0.0744	0.1758
	185	0.1278	0.2385	0.0749	0.1481
	240	0.0980	0.2334	0.0733	0.1224
	300	0.0790	0.2308	0.0725	0.1072
400	0.0630	0.2302	0.0723	0.0959	

D : Packing in drum

FS/FDLH-0.6/1KV-CE



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANCE FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Fire barrier tape** : Mica tape
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
3 Cores : Brown, Black, Grey
- Sheath** : Orange low smoke and zero halogen flame retardant polyolefin (ST8)

TECHNICAL DATA

- Classification** : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts
- Rated voltage** : 600 Volts between Line to Earth
Rated voltage : 1,000 Volts between Line to Line
- Testing voltage** : 3,500 Volts
- Reference Standard**
Construction : IEC 60502-1
Circuit integrity : BS 6387 Category C,W,Z
Flame retardant : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C
- Acid gas emission** : IEC 60754-1, IEC 60754-2
- Non-toxic gases** : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in conduit in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
3	1.5	Non-Compacted	0.7	1.8	13.5	12.1	2,500	24	18	190	500/D
	2.5	Non-Compacted	0.7	1.8	14.5	7.41	2,100	32	24	230	500/D
	4	Non-Compacted	0.7	1.8	15.5	4.61	1,700	43	32	290	500/D
	6	Non-Compacted	0.7	1.8	17.0	3.08	1,450	54	40	370	500/D
	10	Compacted	0.7	1.8	18.5	1.83	1,250	72	55	490	500/D
	16	Compacted	0.7	1.8	20.5	1.15	1,000	96	73	700	500/D
	25	Compacted	0.9	1.8	24.5	0.727	1,050	127	96	1000	500/D
	35	Compacted	0.9	1.8	27.0	0.524	900	155	116	1300	500/D
	50	Compacted	1.0	1.8	30.0	0.387	850	193	140	1700	500/D
	70	Compacted	1.1	1.8	34.0	0.268	800	238	177	2400	500/D
	95	Compacted	1.1	2.1	38.0	0.193	650	293	212	3100	500/D
	120	Compacted	1.2	2.3	42.0	0.153	650	341	244	4000	500/D
	150	Compacted	1.4	2.4	46.0	0.124	700	389	273	4900	500/D
	185	Compacted	1.6	2.6	51.5	0.0991	700	449	309	6000	500/D
	240	Compacted	1.7	2.8	57.5	0.0754	650	534	362	8000	500/D
	300	Compacted	1.8	2.9	63.0	0.0601	600	614	414	9500	300/D
400	Compacted	2.0	3.2	70.5	0.0470	600	710	488	12000	300/D	

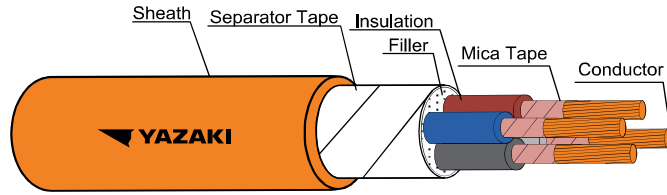
Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R	Inductance L	Reactance XL	Impedance Z
		(Ω/km)	(mH/km)	(Ω/km)	(Ω/km)
3	1.5	15.4287	0.4018	0.1262	15.4292
	2.5	9.4485	0.3769	0.1184	9.4492
	4	5.8782	0.3492	0.1097	5.8793
	6	3.9273	0.3303	0.1038	3.9287
	10	2.3335	0.3124	0.0982	2.3356
	16	1.4665	0.2936	0.0922	1.4694
	25	0.9272	0.2782	0.0874	0.9313
	35	0.6685	0.2695	0.0847	0.6738
	50	0.4939	0.2546	0.0800	0.5003
	70	0.3424	0.2490	0.0782	0.3512
	95	0.2470	0.2414	0.0758	0.2584
	120	0.1963	0.2364	0.0743	0.2099
	150	0.1596	0.2369	0.0744	0.1761
	185	0.1282	0.2385	0.0749	0.1485
	240	0.0986	0.2334	0.0733	0.1228
	300	0.0797	0.2308	0.0725	0.1077
400	0.0638	0.2302	0.0723	0.0964	

D : Packing in drum

FS/FDLH-0.6/1KV-CE



0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANCE FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN POWER CABLE



CABLE STRUCTURE

Conductor : Non-Compacted and compacted round annealed copper

Fire barrier tape : Mica tape

Insulation : Cross-Linked polyethylene (XLPE)

Core identification
4 Cores : Blue, Brown, Black, Grey

Sheath : Orange low smoke and zero halogen flame retardant polyolefin (ST8)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C
: Circuit voltage not exceeding 1,200 Volts

Rated voltage : 600 Volts between Line to Earth
Rated voltage : 1,000 Volts between Line to Line

Testing voltage : 3,500 Volts

Reference Standard

Construction : IEC 60502-1

Circuit integrity : BS 6387 Category C,W,Z

Flame retardant : BS EN 60332-1-2
IEC 60332-3-22 Category A
IEC 60332-3-23 Category B
IEC 60332-3-24 Category C

Acid gas emission : IEC 60754-1, IEC 60754-2

Non-toxic gases : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Continuous current rating in free air at 40°C maximum (A)	Continuous current rating in conduit in free air at 40°C maximum (A)	Cable weight approx. (kg/km)	Standard Length (m)
4	1.5	Non-Compacted	0.7	1.8	14.5	12.1	2,500	24	18	230	500/D
	2.5	Non-Compacted	0.7	1.8	15.5	7.41	2,100	32	24	280	500/D
	4	Non-Compacted	0.7	1.8	17.5	4.61	1,700	43	32	360	500/D
	6	Non-Compacted	0.7	1.8	18.5	3.08	1,450	54	40	450	500/D
	10	Compacted	0.7	1.8	20.0	1.83	1,250	72	55	600	500/D
	16	Compacted	0.7	1.8	22.5	1.15	1,000	96	73	750	500/D
	25	Compacted	0.9	1.8	27.0	0.727	1,050	127	96	1300	500/D
	35	Compacted	0.9	1.8	29.5	0.524	900	155	116	1700	500/D
	50	Compacted	1.0	1.8	33.0	0.387	850	193	140	2200	500/D
	70	Compacted	1.1	2.1	37.5	0.268	800	238	177	3100	500/D
	95	Compacted	1.1	2.3	42.0	0.193	650	293	212	4100	500/D
	120	Compacted	1.2	2.4	46.5	0.153	650	341	244	5000	500/D
	150	Compacted	1.4	2.6	51.5	0.124	700	389	273	6500	500/D
	185	Compacted	1.6	2.8	57.5	0.0991	700	449	309	8000	500/D
	240	Compacted	1.7	3.0	64.5	0.0754	650	534	362	10500	300/D
	300	Compacted	1.8	3.2	70.5	0.0601	600	614	414	13000	300/D
400	Compacted	2.0	3.4	78.5	0.0470	600	710	488	16000	200/D	

Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
4	1.5	15.4287	0.4018	0.1262	15.4292
	2.5	9.4485	0.3769	0.1184	9.4492
	4	5.8782	0.3492	0.1097	5.8793
	6	3.9273	0.3303	0.1038	3.9287
	10	2.3335	0.3124	0.0982	2.3356
	16	1.4665	0.2936	0.0922	1.4694
	25	0.9272	0.2782	0.0874	0.9313
	35	0.6685	0.2695	0.0847	0.6738
	50	0.4939	0.2546	0.0800	0.5003
	70	0.3424	0.2490	0.0782	0.3512
	95	0.2470	0.2414	0.0758	0.2584
	120	0.1963	0.2364	0.0743	0.2099
	150	0.1596	0.2369	0.0744	0.1761
	185	0.1282	0.2385	0.0749	0.1485
	240	0.0986	0.2334	0.0733	0.1228
	300	0.0797	0.2308	0.0725	0.1077
400	0.0638	0.2302	0.0723	0.0964	

D : Packing in drum