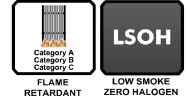
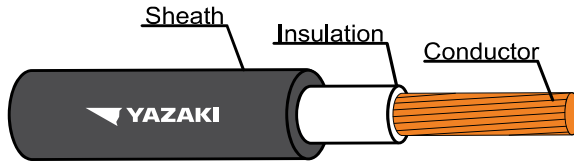


FDLH-0.6/1KV-CE



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



CABLE STRUCTURE

Conductor : Non-Compacted and compacted round annealed copper
Insulation : Cross-Linked polyethylene (XLPE)
Core identification
 Single-core : Natural (Translucent)
Sheath : Black 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
Flame retardant : IEC 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

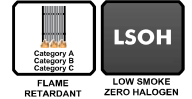
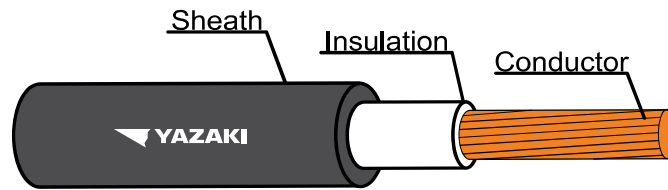
For installed into tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoke and non toxic emission under fire.

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 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	6.5	12.1	2,500	31	24	23	21	18	55	500/D
	2.5	Non-Compacted	0.7	1.4	7.0	7.41	2,100	42	32	31	28	25	65	500/D
	4	Non-Compacted	0.7	1.4	7.5	4.61	1,700	54	42	41	38	34	85	500/D
	6	Non-Compacted	0.7	1.4	8.0	3.08	1,450	68	53	52	49	44	110	500/D
	10	Compacted	0.7	1.4	9.5	1.83	1,250	90	73	71	68	60	150	500/D
	16	Compacted	0.7	1.4	9.5	1.15	1,000	124	95	93	91	80	210	500/D
	25	Compacted	0.9	1.4	11.5	0.727	1,050	166	128	123	121	106	310	500/D
	35	Compacted	0.9	1.4	12.5	0.524	900	206	160	154	149	131	400	500/D
	50	Compacted	1.0	1.4	14.0	0.387	850	250	197	188	180	159	500	500/D
	70	Compacted	1.1	1.4	15.5	0.268	800	321	254	244	230	202	750	500/D
	95	Compacted	1.1	1.5	18.0	0.193	650	391	311	298	278	245	1000	500/D
	120	Compacted	1.2	1.5	19.5	0.153	650	455	364	349	322	284	1200	500/D
	150	Compacted	1.4	1.6	21.5	0.124	700	525	422	404	358	311	1500	500/D
	185	Compacted	1.6	1.7	24.0	0.0991	700	602	485	464	409	349	1900	500/D
	240	Compacted	1.7	1.8	27.0	0.0754	650	711	577	552	480	410	2500	500/D
	300	Compacted	1.8	1.9	29.5	0.0601	600	821	670	640	549	468	3100	500/D
	400	Compacted	2.0	2.0	33.0	0.0470	600	987	790	749	622	531	3900	500/D
	500	Compacted	2.2	2.1	36.5	0.0366	600	1140	908	861	713	606	5000	500/D
	630	Compacted	2.4	2.2	41.0	0.0283	550	1298	1064	1014	819	695	6500	500/D
	800	Compacted	2.6	2.4	45.5	0.0221	550	1494	1220	1156	965	820	8000	500/D
1000	Compacted	2.8	2.6	51.5	0.0176	500	1712	1391	1307	1014	862	10500	300/D	

D : Packing in drum

FDLH-0.6/1KV-CE

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



CABLE STRUCTURE

- Conductor** : Non-Compacted and compacted round annealed copper
- Insulation** : Cross-Linked polyethylene (XLPE)
- Core identification**
Single-core : Natural (Translucent)
- Sheath** : Black 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
Flame retardant : IEC 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

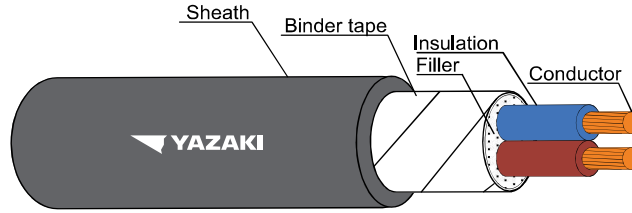
APPLICATION

For installed into tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoke and non toxic emission under fire.

Number of core	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	

FDLH-0.6/1KV-CE

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



CABLE STRUCTURE

Conductor : Non-Compacted and compacted round annealed copper

Insulation : Cross-Linked polyethylene (XLPE)

Core identification
2 Cores : Blue, Brown

Sheath : Black 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

Flame retardant : IEC 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 installed into tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoke and non toxic emission under 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	11.0	12.1	2,500	28	20	130	500/D
	2.5	Non-Compacted	0.7	1.8	12.0	7.41	2,100	38	27	160	500/D
	4	Non-Compacted	0.7	1.8	13.0	4.61	1,700	49	36	200	500/D
	6	Non-Compacted	0.7	1.8	14.0	3.08	1,450	63	46	260	500/D
	10	Compacted	0.7	1.8	15.0	1.83	1,250	84	63	350	500/D
	16	Compacted	0.7	1.8	18.0	1.15	1,000	111	83	490	500/D
	25	Compacted	0.9	1.8	21.0	0.727	1,050	147	108	700	500/D
	35	Compacted	0.9	1.8	23.5	0.524	900	181	133	900	500/D
	50	Compacted	1.0	1.8	26.5	0.387	850	219	159	1200	500/D
	70	Compacted	1.1	1.9	30.0	0.268	800	275	201	1700	500/D
	95	Compacted	1.1	2.0	33.5	0.193	650	340	241	2200	500/D
	120	Compacted	1.2	2.1	37.0	0.153	650	394	278	2700	500/D
	150	Compacted	1.4	2.2	41.0	0.124	700	449	304	3400	500/D
	185	Compacted	1.6	2.4	46.0	0.0991	700	518	349	4200	500/D
	240	Compacted	1.7	2.6	51.5	0.0754	650	614	418	5500	500/D
	300	Compacted	1.8	2.7	56.5	0.0601	600	565	484	7000	500/D
400	Compacted	2.0	3.0	64.0	0.0470	600	791	569	8500	500/D	

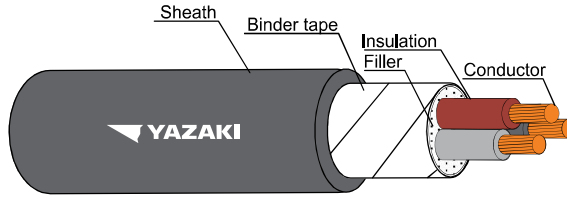
Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
2	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9273	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6684	0.2567	0.0807	0.6733
	50	0.4938	0.2435	0.0765	0.4997
	70	0.3423	0.2395	0.0752	0.3504
	95	0.2468	0.2331	0.0732	0.2575
	120	0.1960	0.2289	0.0719	0.2088
	150	0.1593	0.2302	0.0723	0.1749
	185	0.1278	0.2338	0.0734	0.1474
	240	0.0981	0.2281	0.0717	0.1215
	300	0.0791	0.2260	0.0710	0.1063
400	0.0630	0.2259	0.0710	0.0949	

D : Packing in drum

FDLH-0.6/1KV-CE



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



CABLE STRUCTURE

Conductor : Non-Compacted and compacted round annealed copper
Insulation : Cross-Linked polyethylene (XLPE)
Core identification
 3 Cores : Brown, Black, Grey
Sheath : Black 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
Flame retardant : IEC 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 installed into tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoke and non toxic emission under 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	11.5	12.1	2,500	21	18	150	500/D
	2.5	Non-Compacted	0.7	1.8	12.5	7.41	2,100	29	24	190	500/D
	4	Non-Compacted	0.7	1.8	13.5	4.61	1,700	38	32	250	500/D
	6	Non-Compacted	0.7	1.8	15.0	3.08	1,450	49	40	330	500/D
	10	Compacted	0.7	1.8	16.0	1.83	1,250	68	55	450	500/D
	16	Compacted	0.7	1.8	19.0	1.15	1,000	91	73	650	500/D
	25	Compacted	0.9	1.8	22.5	0.727	1,050	116	96	950	500/D
	35	Compacted	0.9	1.8	25.0	0.524	900	144	116	1300	500/D
	50	Compacted	1.0	1.8	28.0	0.387	850	175	140	1600	500/D
	70	Compacted	1.1	1.9	32.0	0.268	800	224	177	2300	500/D
	95	Compacted	1.1	2.1	36.0	0.193	650	271	212	3100	500/D
	120	Compacted	1.2	2.2	40.0	0.153	650	315	244	3900	500/D
	150	Compacted	1.4	2.3	44.0	0.124	700	363	273	4800	500/D
	185	Compacted	1.6	2.5	49.5	0.0991	700	415	309	6000	500/D
	240	Compacted	1.7	2.7	55.5	0.0754	650	490	362	8000	500/D
	300	Compacted	1.8	2.9	61.0	0.0601	600	565	414	9500	300/D
400	Compacted	2.0	3.1	68.5	0.0470	600	678	488	12000	300/D	

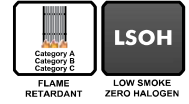
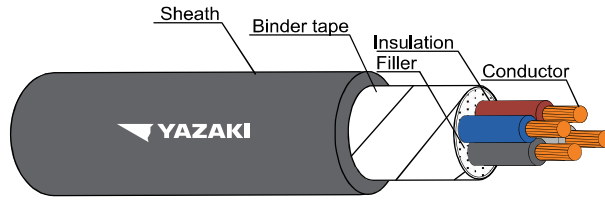
Number of cores	Nominal cross sectional area (mm ²)	A.C. Resistance R (Ω/km)	Inductance L (mH/km)	Reactance XL (Ω/km)	Impedance Z (Ω/km)
3	1.5	15.4287	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1282	0.2338	0.0734	0.1478
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
400	0.0639	0.2259	0.0710	0.0955	

D : Packing in drum

FDLH-0.6/1KV-CE



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



CABLE STRUCTURE

Conductor : Non-Compacted and compacted round annealed copper

Insulation : Cross-Linked polyethylene (XLPE)

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

Sheath : Black 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
Flame retardant : IEC 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 installed into tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoke and non toxic emission under 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	12.0	12.1	2,500	21	18	180	500/D
	2.5	Non-Compacted	0.7	1.8	13.5	7.41	2,100	29	24	240	500/D
	4	Non-Compacted	0.7	1.8	15.0	4.61	1,700	38	32	310	500/D
	6	Non-Compacted	0.7	1.8	16.5	3.08	1,450	49	40	410	500/D
	10	Compacted	0.7	1.8	18.0	1.83	1,250	68	55	550	500/D
	16	Compacted	0.7	1.8	20.5	1.15	1,000	91	73	800	500/D
	25	Compacted	0.9	1.8	24.5	0.727	1,050	116	96	1200	500/D
	35	Compacted	0.9	1.8	27.0	0.524	900	144	116	1600	500/D
	50	Compacted	1.0	1.9	31.0	0.387	850	175	140	2200	500/D
	70	Compacted	1.1	2.0	35.0	0.268	800	224	177	3000	500/D
	95	Compacted	1.1	2.2	40.0	0.193	650	271	212	4000	500/D
	120	Compacted	1.2	2.3	44.0	0.153	650	315	244	5000	500/D
	150	Compacted	1.4	2.5	49.0	0.124	700	363	273	6500	500/D
	185	Compacted	1.6	2.7	55.0	0.0991	700	415	309	8000	500/D
	240	Compacted	1.7	2.9	61.5	0.0754	650	490	362	10000	300/D
	300	Compacted	1.8	3.1	68.0	0.0601	600	565	414	12500	300/D
400	Compacted	2.0	3.4	76.5	0.0470	600	678	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	0.3427	0.1077	15.4291
	2.5	9.4485	0.3249	0.1021	9.4491
	4	5.8782	0.3026	0.0951	5.8790
	6	3.9274	0.2890	0.0908	3.9284
	10	2.3335	0.2747	0.0863	2.3351
	16	1.4665	0.2614	0.0821	1.4688
	25	0.9272	0.2637	0.0829	0.9309
	35	0.6685	0.2567	0.0807	0.6733
	50	0.4939	0.2435	0.0765	0.4998
	70	0.3424	0.2395	0.0752	0.3506
	95	0.2471	0.2331	0.0732	0.2577
	120	0.1964	0.2289	0.0719	0.2091
	150	0.1597	0.2302	0.0723	0.1753
	185	0.1282	0.2338	0.0734	0.1478
	240	0.0987	0.2281	0.0717	0.1219
	300	0.0798	0.2260	0.0710	0.1068
400	0.0639	0.2259	0.0710	0.0955	

D : Packing in drum