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ÖLFLEX® UNIPLUS FR-LSH
ISI Marked PVC FR-LSH insulated single core

Info
• ISI marked with FRLSH properties

Benefits
• IS compliant ISI Marked
• Time-saving assembly
• Safe for human life and the environment thanks to the reduced smoke and halogen in case of fire
• Internal wiring of devices

Application range
• For wiring of lamps, devices, switch gear cabinets and distribution boxes
• For installation in tubes, as well as in closed installation ducts or protected installations
• For use in dry rooms

• In application area with a high density of people or valuable assets

Product features
• Flame retardant (FR)- IEC 60332.1/IS 10810-53
• Low smoke and low halogen (LSH) : as per data sheet

Norm references / Approvals
• IS 694:2010

Product Make-up
• Stranded Annealed Bare copper
• PVC FR-LSH Type D in Acc. To IS 5831:1984

Technical data

Core identification code
Coloured

Conductor stranding
Fine wire stranded Class 5 in acc. to IS 8130-1984/IEC 60228

Minimum bending radius
6 X OD

Nominal voltage
Up to and including 1100 V in acc. to IS 694:2010

Temperature range
Up to +70°C for fixed installations

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® UNIPLUS FR-LSH					
4610011U	1 X 0.5	2.6	black	4.8	9.29
4610031U	1 X 0.5	2.6	brown	4.8	9.29
4610021U	1 X 0.5	2.6	blue	4.8	9.29
4610141U	1 X 0.5	2.6	dark blue	4.8	9.29
4610121U	1 X 0.5	2.6	green	4.8	9.29
4610001U	1 X 0.5	2.6	green-yellow	4.8	9.29
4610061U	1 X 0.5	2.6	grey	4.8	9.29
4610091U	1 X 0.5	2.6	orange	4.8	9.29
4610081U	1 X 0.5	2.6	pink	4.8	9.29
4610041U	1 X 0.5	2.6	red	4.8	9.29
4610161U	1 X 0.5	2.6	ultramarine blue	4.8	9.29
4610071U	1 X 0.5	2.6	violet	4.8	9.29
4610051U	1 X 0.5	2.6	white	4.8	9.29
4610111U	1 X 0.5	2.6	yellow	4.8	9.29
4610012U	1 X 0.75	2.8	black	7.2	12.49
4610032U	1 X 0.75	2.8	brown	7.2	12.49
4610022U	1 X 0.75	2.8	blue	7.2	12.49
4610142U	1 X 0.75	2.8	dark blue	7.2	12.49
4610122U	1 X 0.75	2.8	green	7.2	12.49
4610002U	1 X 0.75	2.8	green-yellow	7.2	12.49
4610062U	1 X 0.75	2.8	grey	7.2	12.49
4610092U	1 X 0.75	2.8	orange	7.2	12.49
4610082U	1 X 0.75	2.8	pink	7.2	12.49
4610042U	1 X 0.75	2.8	red	7.2	12.49
4610162U	1 X 0.75	2.8	ultramarine blue	7.2	12.49
4610072U	1 X 0.75	2.8	violet	7.2	12.49
4610052U	1 X 0.75	2.8	white	7.2	12.49
4610013U	1 X 1.0	3.0	black	9.6	15.34
4610033U	1 X 1.0	3.0	brown	9.6	15.34
4610023U	1 X 1.0	3.0	blue	9.6	15.34
4610123U	1 X 1.0	3.0	green	9.6	15.34
4610003U	1 X 1.0	3.0	green-yellow	9.6	15.34
4610063U	1 X 1.0	3.0	grey	9.6	15.34
4610083U	1 X 1.0	3.0	pink	9.6	15.34
4610043U	1 X 1.0	3.0	red	9.6	15.34
4610073U	1 X 1.0	3.0	violet	9.6	15.34
4610053U	1 X 1.0	3.0	white	9.6	15.34
4610113U	1 X 1.0	3.0	yellow	9.6	15.34
4620031U	1 X 1.5	3.4	brown	14.4	21.05
4620021U	1 X 1.5	3.4	blue	14.4	21.05
4620141U	1 X 1.5	3.4	dark blue	14.4	21.05
4620121U	1 X 1.5	3.4	green	14.4	21.05
4620001U	1 X 1.5	3.4	green-yellow	14.4	21.05
4620061U	1 X 1.5	3.4	grey	14.4	21.05
4620091U	1 X 1.5	3.4	orange	14.4	21.05
4620081U	1 X 1.5	3.4	pink	14.4	21.05
4620041U	1 X 1.5	3.4	red	14.4	21.05

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
4620161U	1 X 1.5	3.4	ultramarine blue	14.4	21.05
4620071U	1 X 1.5	3.4	violet	14.4	21.05
4620051U	1 X 1.5	3.4	white	14.4	21.05
4620111U	1 X 1.5	3.4	brown	14.4	21.05
4620032U	1 X 2.5	4.1	brown	24.0	33.52
4620022U	1 X 2.5	4.1	blue	24.0	33.52
4620122U	1 X 2.5	4.1	green	24.0	33.52
4620002U	1 X 2.5	4.1	green-yellow	24.0	33.52
4620062U	1 X 2.5	4.1	grey	24.0	33.52
4620092U	1 X 2.5	4.1	orange	24.0	33.52
4620082U	1 X 2.5	4.1	pink	24.0	33.52
4620042U	1 X 2.5	4.1	red	24.0	33.52
4620162U	1 X 2.5	4.1	ultramarine blue	24.0	33.52
4620072U	1 X 2.5	4.1	violet	24.0	33.52
4620052U	1 X 2.5	4.1	white	24.0	33.52
4620112U	1 X 2.5	4.1	yellow	24.0	33.52
4620013U	1 X 4.0	4.8	black	38.4	50.04
4620033U	1 X 4.0	4.8	brown	38.4	50.04
4620023U	1 X 4.0	4.8	blue	38.4	50.04
4620003U	1 X 4.0	4.8	green-yellow	38.4	50.04
4620063U	1 X 4.0	4.8	grey	38.4	50.04
4620093U	1 X 4.0	4.8	orange	38.4	50.04
4620043U	1 X 4.0	4.8	red	38.4	50.04
4620073U	1 X 4.0	4.8	violet	38.4	50.04
4620053U	1 X 4.0	4.8	white	38.4	50.04
4620014U	1 X 6.0	5.3	black	57.6	73.72
4620034U	1 X 6.0	5.3	brown	57.6	73.72
4620024U	1 X 6.0	5.3	blue	57.6	73.72
4620144U	1 X 6.0	5.3	dark blue	57.6	73.72
4620124U	1 X 6.0	5.3	green	57.6	73.72
4620064U	1 X 6.0	5.3	grey	57.6	73.72
4620094U	1 X 6.0	5.3	orange	57.6	73.72
4620044U	1 X 6.0	5.3	red	57.6	73.72
4620164U	1 X 6.0	5.3	ultramarine blue	57.6	73.72
4620074U	1 X 6.0	5.3	violet	57.6	73.72
4620054U	1 X 6.0	5.3	white	57.6	73.72
4620015U	1 X 10.0	7.0	black	96.0	122.2
4620035U	1 X 10.0	7.0	brown	96.0	122.2
4620025U	1 X 10.0	7.0	blue	96.0	122.2
4620125U	1 X 10.0	7.0	green	96.0	122.2
4620005U	1 X 10.0	7.0	green-yellow	96.0	122.2
4620065U	1 X 10.0	7.0	grey	96.0	122.2
4620085U	1 X 10.0	7.0	pink	96.0	122.2
4620045U	1 X 10.0	7.0	red	96.0	122.2
4620055U	1 X 10.0	7.0	white	96.0	122.2
4620016U	1 X 16.0	8.1	black	153.6	184.83
4620036U	1 X 16.0	8.1	brown	153.6	184.83
4620026U	1 X 16.0	8.1	blue	153.6	184.83
4620146U	1 X 16.0	8.1	dark blue	153.6	184.83
4620126U	1 X 16.0	8.1	green	153.6	184.83
4620066U	1 X 16.0	8.1	grey	153.6	184.83
4620096U	1 X 16.0	8.1	orange	153.6	184.83
4620086U	1 X 16.0	8.1	pink	153.6	184.83
4620046U	1 X 16.0	8.1	red	153.6	184.83
4620076U	1 X 16.0	8.1	violet	153.6	184.83
4621011U	1 X 25.0	10.2	black	240.0	287.76
4621031U	1 X 25.0	10.2	brown	240.0	287.76
4621021U	1 X 25.0	10.2	blue	240.0	287.76
4621141U	1 X 25.0	10.2	dark blue	240.0	287.76
4621121U	1 X 25.0	10.2	green	240.0	287.76
4621001U	1 X 25.0	10.2	green-yellow	240.0	287.76
4621061U	1 X 25.0	10.2	grey	240.0	287.76
4621091U	1 X 25.0	10.2	orange	240.0	287.76
4621081U	1 X 25.0	10.2	pink	240.0	287.76
4621041U	1 X 25.0	10.2	red	240.0	287.76
4621161U	1 X 25.0	10.2	ultramarine blue	240.0	287.76
4621071U	1 X 25.0	10.2	violet	240.0	287.76
4621051U	1 X 25.0	10.2	white	240.0	287.76
4621111U	1 X 25.0	10.2	yellow	240.0	287.76
4621012U	1 X 35.0	11.7	black	336.0	391.01
4621032U	1 X 35.0	11.7	brown	336.0	391.01
4621022U	1 X 35.0	11.7	blue	336.0	391.01
4621142U	1 X 35.0	11.7	dark blue	336.0	391.01
4621122U	1 X 35.0	11.7	green	336.0	391.01
4621002U	1 X 35.0	11.7	green-yellow	336.0	391.01
4621062U	1 X 35.0	11.7	grey	336.0	391.01
4621092U	1 X 35.0	11.7	orange	336.0	391.01
4621082U	1 X 35.0	11.7	pink	336.0	391.01
4621042U	1 X 35.0	11.7	red	336.0	391.01
4621162U	1 X 35.0	11.7	ultramarine blue	336.0	391.01
4621072U	1 X 35.0	11.7	violet	336.0	391.01
4621052U	1 X 35.0	11.7	white	336.0	391.01
4621112U	1 X 35.0	11.7	yellow	336.0	391.01
4621013U	1 X 50.0	13.9	black	480.0	556.88
4621033U	1 X 50.0	13.9	brown	480.0	556.88

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
4621023U	1 X 50.0	13.9	blue	480.0	556.88
4621143U	1 X 50.0	13.9	dark blue	480.0	556.88
4621123U	1 X 50.0	13.9	green	480.0	556.88
4621003U	1 X 50.0	13.9	green-yellow	480.0	556.88
4621063U	1 X 50.0	13.9	grey	480.0	556.88
4621093U	1 X 50.0	13.9	orange	480.0	556.88
4621083U	1 X 50.0	13.9	pink	480.0	556.88
4621043U	1 X 50.0	13.9	red	480.0	556.88
4621163U	1 X 50.0	13.9	ultramarine blue	480.0	556.88
4621073U	1 X 50.0	13.9	violet	480.0	556.88
4621053U	1 X 50.0	13.9	white	480.0	556.88
4621113U	1 X 50.0	13.9	yellow	480.0	556.88
4621014U	1 X 70.0	16.0	black	672.0	770.03
4621034U	1 X 70.0	16.0	brown	672.0	770.03
4621024U	1 X 70.0	16.0	blue	672.0	770.03
4621144U	1 X 70.0	16.0	dark blue	672.0	770.03
4621124U	1 X 70.0	16.0	green	672.0	770.03
4621004U	1 X 70.0	16.0	green-yellow	672.0	770.03
4621064U	1 X 70.0	16.0	grey	672.0	770.03
4621094U	1 X 70.0	16.0	orange	672.0	770.03
4621084U	1 X 70.0	16.0	pink	672.0	770.03
4621044U	1 X 70.0	16.0	red	672.0	770.03
4621164U	1 X 70.0	16.0	ultramarine blue	672.0	770.03
4621074U	1 X 70.0	16.0	violet	672.0	770.03
4621054U	1 X 70.0	16.0	white	672.0	770.03
4621114U	1 X 70.0	16.0	yellow	672.0	770.03
4621015U	1 X 95.0	18.2	black	912.0	1,033.71
4621035U	1 X 95.0	18.2	brown	912.0	1,033.71
4621025U	1 X 95.0	18.2	blue	912.0	1,033.71
4621145U	1 X 95.0	18.2	dark blue	912.0	1,033.71
4621125U	1 X 95.0	18.2	green	912.0	1,033.71
4621005U	1 X 95.0	18.2	green-yellow	912.0	1,033.71
4621065U	1 X 95.0	18.2	grey	912.0	1,033.71
4621095U	1 X 95.0	18.2	orange	912.0	1,033.71
4621085U	1 X 95.0	18.2	pink	912.0	1,033.71
4621045U	1 X 95.0	18.2	red	912.0	1,033.71
4621165U	1 X 95.0	18.2	ultramarine blue	912.0	1,033.71
4621075U	1 X 95.0	18.2	violet	912.0	1,033.71
4621055U	1 X 95.0	18.2	white	912.0	1,033.71
4621115U	1 X 95.0	18.2	yellow	912.0	1,033.71
4621016U	1 X 120.0	20.2	black	1,152.0	1,283.38
4621036U	1 X 120.0	20.2	brown	1,152.0	1,283.38
4621026U	1 X 120.0	20.2	blue	1,152.0	1,283.38
4621146U	1 X 120.0	20.2	dark blue	1,152.0	1,283.38
4621126U	1 X 120.0	20.2	green	1,152.0	1,283.38
4621006U	1 X 120.0	20.2	green-yellow	1,152.0	1,283.38
4621066U	1 X 120.0	20.2	grey	1,152.0	1,283.38
4621096U	1 X 120.0	20.2	orange	1,152.0	1,283.38
4621086U	1 X 120.0	20.2	pink	1,152.0	1,283.38
4621046U	1 X 120.0	20.2	red	1,152.0	1,283.38
4621166U	1 X 120.0	20.2	ultramarine blue	1,152.0	1,283.38
4621076U	1 X 120.0	20.2	violet	1,152.0	1,283.38
4621056U	1 X 120.0	20.2	white	1,152.0	1,283.38
4621116U	1 X 120.0	20.2	yellow	1,152.0	1,283.38
4621017U	1 X 150.0	22.5	black	1,440.0	1,611.38
4621037U	1 X 150.0	22.5	brown	1,440.0	1,611.38
4621027U	1 X 150.0	22.5	blue	1,440.0	1,611.38
4621147U	1 X 150.0	22.5	dark blue	1,440.0	1,611.38
4621127U	1 X 150.0	22.5	green	1,440.0	1,611.38
4621007U	1 X 150.0	22.5	green-yellow	1,440.0	1,611.38
4621067U	1 X 150.0	22.5	grey	1,440.0	1,611.38
4621097U	1 X 150.0	22.5	orange	1,440.0	1,611.38
4621087U	1 X 150.0	22.5	pink	1,440.0	1,611.38
4621047U	1 X 150.0	22.5	red	1,440.0	1,611.38
4621167U	1 X 150.0	22.5	ultramarine blue	1,440.0	1,611.38
4621077U	1 X 150.0	22.5	violet	1,440.0	1,611.38
4621057U	1 X 150.0	22.5	white	1,440.0	1,611.38
4621117U	1 X 150.0	22.5	yellow	1,440.0	1,611.38
4621018U	1 X 185.0	24.9	black	1,776.0	1,988.59
4621038U	1 X 185.0	24.9	brown	1,776.0	1,988.59
4621028U	1 X 185.0	24.9	blue	1,776.0	1,988.59
4621148U	1 X 185.0	24.9	dark blue	1,776.0	1,988.59
4621128U	1 X 185.0	24.9	green	1,776.0	1,988.59
4621008U	1 X 185.0	24.9	green-yellow	1,776.0	1,988.59
4621068U	1 X 185.0	24.9	grey	1,776.0	1,988.59
4621098U	1 X 185.0	24.9	orange	1,776.0	1,988.59
4621088U	1 X 185.0	24.9	pink	1,776.0	1,988.59
4621048U	1 X 185.0	24.9	red	1,776.0	1,988.59
4621168U	1 X 185.0	24.9	ultramarine blue	1,776.0	1,988.59
4621078U	1 X 185.0	24.9	violet	1,776.0	1,988.59
4621058U	1 X 185.0	24.9	white	1,776.0	1,988.59
4621118U	1 X 185.0	24.9	yellow	1,776.0	1,988.59
4621019U	1 X 240.0	28.4	black	2,304.0	2,562.23
4621039U	1 X 240.0	28.4	brown	2,304.0	2,562.23
4621029U	1 X 240.0	28.4	blue	2,304.0	2,562.23

Power & Control Cables • Control Cabinet Applications

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
4621149U	1 X 240.0	28.4	dark blue	2,304.0	2,562.23
4621129U	1 X 240.0	28.4	green	2,304.0	2,562.23
4621009U	1 X 240.0	28.4	green-yellow	2,304.0	2,562.23
4621069U	1 X 240.0	28.4	grey	2,304.0	2,562.23
4621099U	1 X 240.0	28.4	orange	2,304.0	2,562.23
4621089U	1 X 240.0	28.4	pink	2,304.0	2,562.23
4621049U	1 X 240.0	28.4	red	2,304.0	2,562.23
4621169U	1 X 240.0	28.4	ultramarine blue	2,304.0	2,562.23
4621079U	1 X 240.0	28.4	violet	2,304.0	2,562.23
4621059U	1 X 240.0	28.4	white	2,304.0	2,562.23
4621119U	1 X 240.0	28.4	yellow	2,304.0	2,562.23

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they available and have been released for publication.
Photographs are not to scale and do not represent detailed images of the respective products.