

Lumflex® PUR Halogen Free

- Outer material halogen free (flame retardant)
- Resistant to Chemical and Oils
- Cable free of polybrominated diphenylether (halogen, silicon and PVC free)
- Microbe and hydrolysis-resistant
- For dynamic applications: suitable for drag chain applications in compliance with Lumflex drag chain test:
 - bending radius 10 x D
 - acceleration 5 m/s²
 - path feed rate 200 m/min at 5 m horizontal path
 - guaranteed bending cycles 2 million
- Lumflex® welding spark proof: good resistance to weld slag
- Lumflex® shielded: C shield braid Ø 0.10 mm tinned / coverage 85% +/- 5%
- Recommended for machine tool applications (metal cutting)
- The application of these products in harsh environments should always be checked before use

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
224	3	brown blue black	22 AWG	PUR halogen-free	.169" (4.3 mm)	black	Euro DC
225	4	brown white blue black	22 AWG	PUR halogen-free	.185" (4.7 mm)	black	Euro DC
226	3	brown blue green/yellow	20 AWG	PUR halogen-free	.181" (4.6 mm)	black	Euro DC
228	5	brown white blue black green/yellow	22 AWG	PUR halogen-free	.213" (5.5 mm)	black	Euro DC
242	20	brown blue green/yellow yellow/green brown/green white yellow pink grey/brown	3 x 1.0 mm² 16 x 0.50 mm²	PUR halogen-free	.213" (5.5 mm)	black	Euro DC
			violet red grey red/blue green grey/pink	white/green white/yellow white/grey black			

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Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
256	11	blue brown green/yellow white green yellow grey	3 x 1.0 mm ² 8 x 0.50 mm ² grey/pink red/blue white/green brown/green	PUR halogen-free	.213" (5.5 mm)	black	Euro DC
282	7	white brown green yellow grey pink blue	24 AWG	PUR halogen-free	.236" (6.0 mm)	black	Euro DC
328	7	white brown green yellow grey pink blue	3 x 0.75 mm ² 4 x 0.34 mm ²	PUR halogen-free	.278" (6.8 mm)	black	Euro DC
331	11	blue brown green/yellow white green yellow grey	3 x 0.75 mm ² 8 x 0.34 mm ² pink red black violet	PUR halogen-free	.315" (8.0 mm)	black	Euro DC
333	10	blue brown white green yellow grey	2 x 0.50 mm ² 8 x 0.34 mm ² pink red black violet	PUR halogen-free	.347" (8.8 mm)	black	Euro DC

Mini

Micro (M12)

Micro (1/2"-20)

Pico (M8)

Din Valve
Connectors

References

Lumflex® PUR Halogen Free

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
337	6	white green yellow grey blue brown	6 x 0.34 mm ²	PUR halogen-free	.236" (6.0 mm)	black	Euro DC
343	6	white green yellow grey blue brown	6 x 0.25 mm ²	PUR halogen-free	.201" (5.1 mm)	black	Euro DC
344	8	white green yellow grey pink red blue brown	8 x 0.25 mm ²	PUR halogen-free	.236" (6.0 mm)	black	Euro DC
345	10	white green yellow grey pink red black violet blue brown	10 x 0.25 mm ²	PUR halogen-free	.248" (6.3 mm)	black	Euro DC
346	12	white green yellow grey pink red black violet grey/pink	12 x 0.25 mm ² red/blue blue brown	PUR halogen-free	.252" (6.4 mm)	black	Euro DC

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Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
347	14	white green yellow grey pink red black violet grey/pink	14 x 0.25 mm ² red/blue white/grey brown/grey blue brown	PUR halogen-free	.284" (7.2 mm)	black	Euro DC
348	12	brown blue white green pink yellow black	10 x 0.14 mm ² 2 x 0.25 mm ² grey red violet grey/pink red/blue	PUR halogen-free	.236" (6.0 mm)	black	Euro DC

Lumflex® PUR Halogen Free - Shielded

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
288	4	brown white blue black	22 AWG	PUR halogen-free shielded	.217" (5.5 mm)	black	Euro DC
298	5	brown white blue black grey	22 AWG	PUR halogen-free shielded	.236" (6.0 mm)	black	Euro DC
299	8	white brown green yellow grey pink blue red	24 AWG	PUR halogen-free shielded	.260" (6.6 mm)	black	Euro DC

Mini

Micro (M12)

Micro (1/2"-20)

Pico (M8)

Din Valve Connectors

References

PUR/PVC - PUR

- Good resistance to harsh oils and chemicals
- Good abrasion resistance

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
12	7	white green yellow grey blue brown yellow	3 x 0.75 mm ² 4 x 0.34 mm ²	PUR/PVC	.331" (8.4 mm)	black	Euro DC
138	9	white green yellow grey grey/pink red/black white/green blue	1 x 0.75 mm ² 8 x 0.34 mm ²	PUR/PVC	.354" (9.0 mm)	black	Euro DC
139	17	white green yellow grey pink red black violet red red/blue	1 x 1.00 mm ² 16 x 0.34 mm ² white/green brown/green white/yellow yellow/brown white/grey grey/brown blue	PUR/PVC	.425" (10.8 mm)	black	Euro DC
602	4	brown white blue black	18 AWG	PUR	.230" (5.8 mm)	yellow	Euro DC

PUR

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
610	3	brown blue black	22 AWG	PUR	.230" (5.8 mm)	yellow	Euro DC
645	3	brown blue black	22 AWG	PUR	.220" (5.6 mm)	yellow	Euro DC
669	19	black w/ numbers (18) green/yellow (1)	18 AWG	PUR	.489" (12.4 mm)	black	Numeric
676	12	black w/ numbers (11) green/yellow (1)	18 AWG	PUR	.390" (9.9 mm)	black	Numeric
679	4	brown white blue black	22 AWG	PUR	.190" (4.8 mm)	yellow	Euro DC
697	6	black white red green orange blue	18 AWG	PUR	.502" (12.8 mm)	yellow	NEC

PVC

- Excellent resistance to chemicals
- PVC shielded:
 - Cu shield: Wire Ø 0.10 mm. tinned / coverage 85% +/- 5%
- Recommended for applications where food processing equipment is used
- Recommended for applications in packaging, assembly and automated production lines

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
205	3	brown blue green/yellow	18 AWG	PVC	.217" (5.5 mm)	black	Euro DC

Mini

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Micro (1/2"-20)

Pico (M8)

Din Valve Connectors

References

PVC

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
212	3	brown blue green/yellow	20 AWG	PVC	.197" (5.0 mm)	black	Euro DC
612	5	brown white blue black grey	22 AWG	PVC	.210" (5.3 mm)	yellow	Euro DC
622	7	black white red green orange blue white/black	16 AWG	PVC	.560" (14.2 mm)	yellow	NEC
623	9	black white red green orange blue white/black red/black green/black	16 AWG	PVC	.660" (16.8 mm)	yellow	NEC
624	12	black white red green orange blue white/black red/black green/black orange/black blue/black black/white	16 AWG	PVC	.690" (17.5 mm)	yellow	NEC

PVC							
Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
627	8	white brown green yellow grey pink blue red	24 AWG	PVC	.232" (5.9 mm)	black	Euro DC
632	3	brown blue black	22 AWG	PVC	.190" (4.8 mm)	yellow	Euro DC
633	4	brown white blue black	22 AWG	PVC	.190" (4.8 mm)	yellow	Euro DC
638	3	green black white	16 AWG	PVC	.400" (10.2 mm)	yellow	NEC
639	4	black white red green	16 AWG	PVC	.430" (10.9 mm)	yellow	NEC
641	3	green red/black red/white	16 AWG	PVC	.400" (10.2 mm)	yellow	Automotive
642	5	red/white red green red/orange red/black	16 AWG	PVC	.510" (13.0 mm)	yellow	Automotive
657	3	brown blue black	22 AWG	PVC	.190" (4.8 mm)	black	Euro DC

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Pico (M8)

Din Valve Connectors

References

PVC

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
658	4	brown white blue black	22 AWG	PVC	.190" (4.8 mm)	black	Euro DC
677	5	white red green orange black	16 AWG	PVC	.510" (13.0 mm)	yellow	NEC
678	2	white black	16 AWG	PVC	.375" (9.5 mm)	yellow	NEC
688	3	green red/black red/white	18 AWG	PVC	.290" (7.4 mm)	yellow	Automotive
689	4	red/black red/white red green	18 AWG	PVC	.290" (7.4 mm)	yellow	Automotive
690	5	red/white red green red/yellow red/black	18 AWG	PVC	.290" (7.4 mm)	yellow	Automotive
696	6	orange blue black white red green	16 AWG	PVC	.560" (14.2 mm)	yellow	NEC

PVC

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
698	8	black white red green orange blue white/black red/black	16 AWG	PVC	.585" (14.9 mm)	yellow	NEC
699	10	black white red green orange blue white/black red/black green/black orange/black	16 AWG	PVC	.660" (16.8 mm)	yellow	NEC

TPE

- Excellent for Flex and C-Track applications
- Very good resistance to oils and highly resistant to coolants
- Well suited for welding applications

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
637	4	brown white blue black	18 AWG	TPE	.280" (7.1 mm)	yellow	Euro DC
670	3	brown blue black	22 AWG	TPE	.226" (5.7 mm)	yellow	Euro DC

Mini

Micro (M12)

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Pico (M8)

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References

TPE

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
617	3	green red/black red/white	18 AWG	TPE	.222" (5.6 mm)	yellow	Automotive

CPE

- High tear strength
- Good resistance to most organic chemicals
- Inherently difficult to ignite
- Good protection against the effects of ozone

Cable Number	Number of Leads	Color of Leads	Gauge	Material	Outside Diameter	Jacket Color	Color Code
685	3	green black white	16 AWG	CPE	.400" (10.2 mm)	yellow	NEC
686	4	black white red green	16 AWG	CPE	.430" (10.9 mm)	yellow	NEC
687	5	white red green orange black	16 AWG	CPE	.510" (13.0 mm)	yellow	NEC