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Approved Cables for 3542

Type	Conductor		Length of Lay (mm)	Surface finishing	Insulation			Manufacturer		Description
	Cross Section (mm ²)	Construction			Diameter (mm)	Material	Temp. Range (°C)	Name	Designation	
3542	0,38	12 x Ø 0,203 mm	14,4 ± 10 %	Sn	1,35 ± 0,05	TETE-302-100/+180		HEW	23069	TETE 0,38 mm ²
3542	0,35	7 x Ø 0,254 mm	8,5	Sn	1,24 ± 1,30	PTFE	+200	HEW-CDT	29670	HEW-PTFE-Aderleitung
3542	0,35	45 x Ø 0,10 mm	4,8	-	1,30 ± 0,10	PVC	+80	Leoni	83200509	LIFYIY
3542	0,35	7 x Ø 0,25 mm	20,32	Sn	1,55 ± 0,05	XLPE	+125	Wuxi Xinhongye	3266-221-17	UL AWM 3266 XLPE AWG32-10~
3542	0,38	19 x Ø 0,16 mm	12,5	-	1,09 ± 0,10	ETFE	+150	Habia	572xx2219/XX	MIL-W-22759/18
3542	0,38	12 x Ø 0,20 mm	27	-	1,4 ± 0,1	PVC lead-free	+70	Leoni	88730855A	LIY 1x0,38 BL 70°C
3542	0,38	12 x Ø 0,194 mm	15	Sn	1,58 ± 0,02/-0,03	PVC lead-free	+105	Leoni, Mexico	89170842A	LIYW 0,38 Sn AWG 22/12 UL1569 CSA TI
3542	0,25	7 x Ø 0,22 mm	11	Sn	1,25 ± 0,10	FEP	+180	Omerin	D0108022	Silifon E6YS 0,25mm ²
3542	0,25	19 x Ø 0,13 mm	6	-	1,30 ± 0,10	PFA	+180	Omerin	D1410024	Silifon Style 1726-CN51YS
3542	0,25	14 x Ø 0,15 mm	13	Sn	1,2	FEP	-90/+180	SAB Bröckskes	3349-9148	Li6Yvz
3542	0,35	7 x Ø 0,254 mm		Sn	1,35 ± 0,05	PVC	-30/+60	Leoni	83013160#	S03VV-F 2 x 0,35/ Sn 4,4 SKT
3542	0,35	7 x Ø 0,254 mm		-	1,35 ± 0,1	PVC TI 2	-30/+60	Leoni	83013161A	S03VV-F 2x0,35/7 BL 4,4 SKT
3542	0,38	12 x Ø 0,21 mm	35	Sn	1,4 -0,2	PVC	-40/+105	Leoni	76783016K	FLRY 0,35 SN-B
3542	0,35	12 x Ø 0,20	27	Sn	1,4 ± 0,1	PVC	+70	Leoni	88730860A	LiY 1x0,35 SN SKT
3542	0,38	12 x Ø 0,194	15 +/- 2	-	1,45 ± 0,1	PVC	-15/+70	Leoni China	LC-10-0581	LiY 0,38 mm ²
3542	0,35	12 x Ø 0,193	16,8	Sn	1,55 ± 0,1	PVC	-25/+105	Vercavi	HJ1X22----S1	AWG22
3542	0,35	7 x 0,254 mm	22	-	1,35 ± 0,05	PVC	-40/+105	Leoni	83000002_	LiYYW _ x 0,35 BL
3542	0,38	12 x 0,183 mm	37	-	1,29-1,45	PVC	-15/+70	Prysmian	PRYSMIAN LiY 0,38 mm ²	LiY 0,38 mm ²
3542	0,31/0,33 ¹ x 0,627/0,649 mm enameled wire		-	-	0,627-0,649	PUR	180	IRCE	2001915	SALFLEX 180
3542	0,38	7 x 0,254 mm +/-0,01	16	Sn	1,55 +/- 0,20	XLPE	125	Showa	3266 22#TS	AWG22-BLK
3542	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 10	-	1,40 ± 0,05	PVC	-40/+70	Cablana	2336 Blue	LiY 0,38
3542	0,38	12 x Ø 0,20 mm	27	-	1,4 ± 0,1	PVC	+5/+90	Leoni	88730856K	LiYW 1x0,38 BL
3542	0,35	7 x Ø 0,254 mm	< 20	Sn	1,65 ± 0,10	PVC	105	Baohing	C0608104	AWG 22
3542	0,35	12 x Ø 0,193 mm	15 ± 10 %	-	1,40 ± 0,05	PVC	-15/+70	Vercavi	HP 1035...03	FR2 1 x 0,35 mm ²
3542	0,35	12 x Ø 0,19 mm	14	Sn	1,30 ± 0,05	PVC	-40/+105	Telefonika	TT1-4142	FLRY-B 0,35mm ²
3542	0,34	17 x Ø 0,16 mm	15 ± 5	Sn	1,58	PVC	-10/+80	Leoni Changzhou	10.097.XXXVYYYYY	UL 1007 AWG 22
3542	0,39	19 x Ø 0,17 mm	15,2	Sn	1,60 ± 0,1	PVC	-30/+105	Leoni	89760101A	LiYW 0,39 SN AWG 22
3542	0,35	7 x Ø 0,245 mm	16,8	Sn	1,55 ± 0,1	PVC	-25/+105	Vercavi	HJ1X22---S5	AWG 22 (0,35 mm ²) UL1569
3542	0,35	7 x Ø 0,26 mm	10	Sn	1,35 ± 0,05	FEP	-25/+180	Leoni	89030535A	Li6Y6Y 1x0,35 SN
3542	0,35	7 x Ø 0,26 mm	11	Sn	1,35 ± 0,05	FEP	-55/+150	Leoni	89A00019	Li6Y6Y 1x0,35 SN AWG22
3542	0,35	7 x Ø 0,26 mm	15 ± 3	-	1,45 ± 0,10	PVC	-40/+70	Cablana	40.028.300.2	LiY 0,35 mm ²
3542	0,38	12 x Ø 0,194 mm	15 ± 1,5	-	1,58 ± 0,02	PVC	-40/+105	Leoni	89170840A	LiYW 1x0,38 BL (AWG22/12)
3542	0,34	17 x Ø 0,16 mm ± 0,008	18 ± 2	Sn	1,58 ± 0,05	PVC	-40/+80	BizLink Changzhou	10.097.xxxYYYYY	UL 1007 AWG 22
3542	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,4 ± 0,05	PVC	-40/+70	BizLink Changzhou	20.0378.xxxYYYYY	LiY 0,38
3542	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,4 ± 0,05	PVC	-40/+105	BizLink Changzhou	20.0379.xxxYYYYY	LiYW 0,38
3542	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,45 ± 0,05	PVC	-40/+70	BizLink Changzhou	20.0584.xxxYYYYY	LiY 0,38

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	Cross Section (mm ²)	Construction			Diameter (mm)	Material	Temp. Range (°C)	Name	Designation	Description
3542	0,35	12 x Ø 0,21 mm	20 ± 5%	Sn	1,20–1,30	PVC	-40/+105	Cablena	06.102.xxx.x	FLRY-B 0,35 SN
3542	0,38	12 x Ø 0,20 mm	15	Sn	1,57 ± 0,05	PVC	-40/+105	KBE Elektrotechnik GmbH	4100224010194K	AWG 22 UL Style 1569/ 1007
3542	0,35	7 x Ø 0,254 mm	24 ± 3	-	1,5 ± 0,05	PVC	+5/+70	Leoni Kablo Turkiye	60000003L	LiY 1x0,35 BL

Approved Cables for 3542 S01

Type	Conductor		Length of Lay (mm)	Surface finishing	Insulation			Manufacturer		
	Cross Section (mm ²)	Construction			Diameter (mm)	Material	Temp. Range (°C)	Name	Designation	Description
3542 S01	0,34	7 x Ø 0,254 mm	12	Sn	1,5 + 0,02	Polyolefin	+125	Nexans	449169	EPX125 FR 22/7 AWG 22
3542 S01	0,34	7 x Ø 0,25 mm	12,6	Sn	1,29 ± 0,05	PVC	+80	Medi	14019109	UL-LIYY 4x AWG 22
3542 S01	0,34	7 x Ø 0,25 mm	< 28	-	1,55	PVC	+70	Medi	601340431	LIYY 4 x 0,34 mm ²
3542 S01	0,23	7 x Ø 0,203 mm ribbon cable	16	Sn	1,35 ± 0,05	PVC	+105	Klasing	50253xx	FL-ZGL XXx0,23 1,35 R2,5
3542 S01	0,35	7 x Ø 0,25 mm	7,8	Sn	1,60 ± 0,10	Special PVC	+105	Medi	120227	UL Schaltlitze AWG 22
3542 S01	0,35	7 x Ø 0,25 mm	20,32	Sn	1,55 ± 0,05	XLPE	+125	Wuxi Xinhongye	3266-221-17	UL AWM 3266 XLPE AWG32-10~
3542 S01	0,38	19 x Ø 0,16 mm	12,5	-	1,09 ± 0,10	ETFE	+150	Habia	572xx2219/XX	MIL-W-22759/18
3542 S01	0,34	7 x Ø 0,25 mm	14,3	-	1,55 ± 0,05	PVC	+70	Medi	60134043X	LIYY 4 x 0,34 mm ²
3542 S01	0,35	7 x Ø 0,25 mm		Sn	1,25 ± 0,10	FEP	-50/+180	Sontec	BT-6901	SL-FEP
3542 S01	0,34	7 x Ø 0,26 mm	15	-	1,40 ± 0,10	TPE SEBS 55 D	-40/+120	KBE	1500340110250S	LI 32Y 0,34 mm ²
3542 S01	0,25	14 x Ø 0,15 mm	13	Sn	1,2	FEP	-90/+180	SAB Bröckskes	3349-9148	Li6Yvz
3542 S01	0,35	7 x 0,254 mm	22	-	1,35 ± 0,05	PVC	-40/+105	Leoni	83000002_	LiYYW _ x 0,35 BL
3542 S01	0,35	7 x Ø 0,254 mm	< 20	Sn	1,65 ± 0,10	PVC	105	Baohing	C0608104	AWG 22
3542 S01	0,34	17 x Ø 0,16 mm	15 ± 5	Sn	1,58	PVC	-10/+80	Leoni Changzhou	10.097.XXXYYYYY	UL 1007 AWG 22
3542 S01	0,39	19 x Ø 0,17 mm	15,2	Sn	1,60 ± 0,1	PVC	-30/+105	Leoni	89760101A	LiYW 0,39 SN AWG 22
3542 S01	0,35	7 x Ø 0,245 mm	16,8	Sn	1,55 ± 0,1	PVC	-25/+105	Vercavi	HJ1X22---S5	AWG 22 (0,35 mm ²) UL1569
3542 S01	0,38	12 x Ø 0,200 mm	15	Sn	1,57 ± 0,02	PVC	-25/+105	KBE	4100222110194K	AWG 22
3542 S01	0,35	7 x Ø 0,26 mm	10	Sn	1,35 ± 0,05	FEP	-25/+180	Leoni	89030535A	LI6Y6Y 1x0,35 SN
3542 S01	0,35	7 x Ø 0,26 mm	11	Sn	1,35 ± 0,05	FEP	-55/+150	Leoni	89A00019	LI6Y6Y 1x0,35 SN AWG22
3542 S01	0,34	17 x Ø 0,16 mm ± 0,008	18 ± 2	Sn	1,58 ± 0,05	PVC	-40/+80	BizLink Changzhou	10.097.xxxYYYYY	UL 1007 AWG 22
3542 S01	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,4 ± 0,05	PVC	-40/+70	BizLink Changzhou	20.0378.xxxYYYYY	LiY 0,38
3542 S01	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,4 ± 0,05	PVC	-40/+105	BizLink Changzhou	20.0379.xxxYYYYY	LiYW 0,38
3542 S01	0,38	12 x Ø 0,194 mm ± 0,006	15 ± 1,5	-	1,45 ± 0,05	PVC	-40/+70	BizLink Changzhou	20.0584.xxxYYYYY	LiY 0,38
3542 S01	0,5	16 x Ø 0,20 mm	32 ± 3	-	2,1 ± 0,05	PVC	-5/+70	Leoni Kablo Turkiye	60700100A	H05V-K 1x0,5 BL

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Connector systems with insulation displacement and crimp technology require suitable cables and accurate processing. In order to assure safe function of the connectors they must be processed with Lumberg harnessing equipment (series 97), according to Lumberg harnessing instructions, using cables approved by Lumberg. Do not hesitate to contact us if you have any questions!

The cables listed here have been tested in the laboratory and have been approved suitable for the specified connector type. Lumberg cannot assume warranty for possible modifications on the part of the cable manufacturer. It is the user's responsibility to ensure the compatibility of the chosen components and their appropriateness for the intended application.

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