




# Multicore cables

Internal wiring or interconnection of equipment (see individual AWM style)


Style No.	Rating		Core					Finished cable					
	Temp.	Voltage	Conductor	Size		Insulation	Size	Shield	Sheath	Size		intended use	
				AWG						Min Avg. T	Inner Ø		
	°C	V AC rms	Material	Min	Max	Material	mm	Material	Material			mm	
UL 20254	60	30	CU TPC	40	-	Any	-	Optional	TPU	< 10.8 < 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03 2.80	Internal wiring or external wiring in Class 2 circuits only	
UL 20745		60	-	40	-	Any	-	Optional	TPU	< 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03	Internal wiring or external inter-connection	
UL 20640		80	CU TPC	40	-	Any	-	Optional	TPU	< 25.4 < 38.1 < 63.5	0.76 1.14 1.52	Internal wiring or external inter-connection	
UL 20475		300	-	40	-	Any	-	Optional	TPU	< 25.4 < 38.1 < 63.5	0.76 1.14 1.52	Internal wiring or external wiring	
UL 2448	80	30	-	40	-	Any	-	Optional	PVC	< 10.8 < 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03 2.80	Internal wiring or external inter-connection in Class 2 circuits only	
UL 20276			-	40	-	Any	-	Optional	PVC	< 8.9 < 17.8 < 25.4 < 38.1	0.38 0.76 1.02 1.38	Internal wiring in Class 2 circuits only	
		-	-	-	Any	-	Optional	PVC	< 8.9 < 17.8 < 25.4 < 38.1	0.51 0.76 1.02 1.38	As above or external inter-connection.		
UL 20317		-	-	-	-	Any	-	Optional	TPU	< 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03	Internal wiring or external inter-connection	
UL 20549	300	-	32	-	Any	-	Optional	TPU	< 10.8 < 17.8 < 25.4 < 38.1 < 63.5	0.38 0.76 1.14 1.52 2.03	Internal wiring Tag may also indicate: "600V peak - For electronic use only"		
UL 22030		-	32	-	Any	-	Optional	TPU	< 8.9 < 10.8 < 17.8 < 25.4 < 38.1	0.38 0.76 1.14 1.52 2.03	Internal wiring Tag may also indicate "600V peak - For electronic use only"		
UL 22031		-	-	-	-	Any	-	Optional	TPU	< 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03	Internal wiring or external inter-connection	



Characteristics and key properties										
		RoHS REACH LVD			<b>Fluid</b> resistant Fuel Oil Water		<b>Flame</b> resistant		<b>Smoke</b> free	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Certified</b> UL 758								<b>Temp</b> low <b>-55°C</b>	<b>Temp</b> >20,000 hrs <b>+250°C</b>	

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	Temp.	Voltage	Conductor	Size		Insulation	Size	Shield	Sheath	Size		
				AWG						Min Avg. T	Inner Ø	
	°C	V AC rms	Material	Min	Max	Material	mm	Material	Material			
UL 20320	90	30	-	40	-	Any	-	Optional	TPU	< 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03	
UL 2654		300	-	36	6	Any	-	Optional	PVC	< 17.8 < 25.4 < 38.1 < 63.5	0.76 1.14 1.52 2.03	External inter-connection
UL 20950			CU TPC	36	-	Any	-	Optional	TPU	< 25.4 < 38.1 < 63.5	1.14 1.52 2.03	External wiring
UL 4296	105	125	CU TPC	50	-	Any	0.15	Optional	Silicone	<17.8 <25.4 <38.1 <63.5	0.76 1.14 1.52 2.03	Inter-connection cable for medical equipment
UL 2983	150	150	CU TPC	-	-	Any	0.13	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.38 0.51 0.76 1.14	Internal wiring Tag may also indicate "300V peak - For electronic use only"
UL 2747		300	-	-	-	Any	-	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.51 0.76 1.14 1.52	Internal wiring Tag may also indicate "Suitable for immersion in oil at 80°C or 600V peak - For electronic use only"
UL 20221			-	-	-	Any	-	Optional	ETFE	< 10.8 < 17.8 < 38.1 < 63.5	0.25 0.38 0.51 0.76	Internal wiring Tag may also indicate "600V peak - For electronic use only"
UL 20222		600	-	-	-	Any	-	Optional	ETFE	< 10.8 < 17.8 < 38.1 < 63.5	0.25 0.38 0.51 0.76	Internal wiring of appliances or electrical equipment. Tag may also indicate "2500V peak - For electronic use only"
UL 2748			-	-	-	Any	-	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.51 0.76 1.14 1.52	Internal wiring. Tag may also indicate "2500V peak - For electronic use only"
UL 2749	200	300	-	-	-	Any	-	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.51 0.76 1.14 1.52	Internal wiring
UL 2895			-	-	-	Any	-	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.38 0.51 0.76 1.14	Internal wiring Tag may also indicate "600V peak - For electronic use only"
UL 2750		600	-	-	-	Any	-	Optional	FEP	< 10.8 < 17.8 < 38.1 < 63.5	0.51 0.76 1.14 1.52	Internal wiring
UL 22292			-	-	-	Any	-	Optional	FEP	< 6.35 < 8.89 < 12.70 < 17.78 < 38.10	0.20 0.26 0.33 0.38 0.51	Internal wiring or external interconnection of electronic equipment



Characteristics and key properties										
		RoHS REACH LVD			<b>Fluid</b> resistant Fuel Oil Water		<b>Flame</b> resistant		<b>Smoke</b> free	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Certified</b> UL 758								<b>Temp</b> low <b>-55°C</b>	<b>Temp</b> >20,000 hrs <b>+250°C</b>	

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				AWG						Min Avg. T	Inner Ø	
	°C	V AC rms	Material	Min	Max	Material	mm	Material	Material			
UL 20223	250	150	-	-	-	Any	-	Optional	PFA	< 10.8 < 17.8 < 38.1 < 63.5	0.25 0.38 0.51 0.76	
UL 20224			-	-	-	Any	-	Optional	PFA	< 10.8 < 17.8 < 38.1 < 63.5	0.25 0.38 0.51 0.76	Internal wiring Tag may also indicate "600V peak - For electronic use only"
UL 20219		300	-	-	-	Any	-	Optional	PTFE	< 10.8 < 17.8 < 38.1 < 63.5	0.38 0.51 0.76 1.14	Internal wiring Tag may also indicate "600V peak - For electronic use only"
UL 20225			-	-	-	Any	-	Optional	PFA	< 10.8 < 17.8 < 38.1 < 63.5	0.38 0.51 0.76 1.14	Internal wiring Tag may also indicate "2500V peak - For electronic use only"
UL 20220			-	-	-	Any	-	Optional	PTFE	< 10.8 < 17.8 < 38.1 < 63.5	0.38 0.51 0.76 1.14	Internal wiring Tag may also indicate "2500V peak - For electronic use only"

Characteristics and key properties										
		RoHS REACH LVD			<b>Fluid</b> resistant Fuel Oil Water		<b>Flame</b> resistant		<b>Smoke</b> free	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Certified</b> UL 758								<b>Temp</b> low <b>-55°C</b>	<b>Temp</b> >20,000 hrs <b>+250°C</b>	

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