



CABLE JACKET TYPES - DESCRIPTION & REFERENCE CHART

We're more than just cables and cord sets.

Since 1982 we've been helping customers in the automotive, lighting and manufacturing industries find solutions to their electrical problems. We have an in-house **R&D Department** that can assist you with designing custom connectors, creating production drawings & documents, and we can even source parts and systems for you. Plus we have experience dealing with International dealers and manufacturers. Contact **DSM&T** on your next project and see what we can do for you.

DSM&T CO., INC.
*CUSTOM WIRE
 HARNESSSES &
 OVER MOLDING*

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Nomenclature Key

S = Service Grade (also means extra hard service when not followed by J, V, or P)

J = Hard Service

V = Vacuum cleaner cord (also light duty cable)

P = Parallel cord (also known as zip cord) – Always light duty

E = Thermoplastic Elastomer (UL/NEC designation ONLY)

O = Oil Resistant*

T = Thermoplastic

W = Outdoor-includes sunlight resistant jacket and wet location rated conductors (formerly "W-A")

H = Heater cable

VW-1 = Flame retardant

FT2 = Flame retardant

* When only one "O" appears in a classification (i.e. SJEOW), only the outer jacket material is oil resistant. If two "O's" are in the classification (i.e. SEOOW), the insulation covering the conductors and the outer jacket insulation are all oil resistant.

Reference Chart

Type	Description	AWG Size Range	Number of Conductors	Insulation / Jacket Material	Voltage	Applications
TPT	Tinsel Parallel Thermoplastic	27 Tinsel	2	PVC / No Jacket	250	////
TS	Tinsel Service	27 Tinsel	2	Rubber / Rubber	125	////
TST	Tinsel Service Thermoplastic	27 Tinsel	2	PVC / PVC	125	////
SPT-1	Service Parallel Thermoplastic -- 1/64" Insulation	18	2 or 3	PVC / No Jacket	300	Indoor use only: Cords for lamps, small fans, radios, televisions, etc.
SPT-2	Service Parallel Thermoplastic -- 2/64" Insulation	18-16	2 or 3	PVC / No Jacket	300	Indoor use only: Cords for lamps, small fans, radios, televisions, etc.
SPT-3	Service Parallel Thermoplastic -- 3/64" Insulation	18-10	2 or 3	PVC / No Jacket	300	Indoor use only: Cords for refrigerators, air conditioners and other heavy duty applications and tools.
SPE-1	Service Parallel Elastomer -- 1/64" Insulation	18	2 or 3	Elastomer / No Jacket	300	////
SPE-2	Service Parallel Elastomer -- 1/64" Insulation	18-16	2 or 3	Elastomer / No Jacket	300	////
SPE-3	Service Parallel Elastomer -- 1/64" Insulation	18-10	2 or 3	Elastomer / No Jacket	300	////
SV	Service Vacuum	18	2 or 3	Rubber / Rubber	300	////
SVO	Service Vacuum Oil Resistant Jacket	18	2 or 3	Rubber / Rubber	300	////
SV00	SVO with Oil Resistant Insulation	18	2 or 3	Rubber / Rubber	300	////
SVT	Service Vacuum Thermoplastic	18 or 17	2 or 3	PVC / PVC	300	Indoor use only: Cords for vacuum cleaners, fans and portable lights. Extra flexible.
SVT0	SVT with Oil Resistant Jacket	18 or 17	2 or 3	PVC / PVC	300	Indoor use only: Cords for vacuum cleaners, fans and portable lights. Extra flexible.
SVT00	SVT0 with Oil Resistant Insulation	18 or 17	2 or 3	PVC / PVC	300	Indoor use only: Cords for vacuum cleaners, fans and portable lights. Extra flexible.
SVE	Service Vacuum Elastomer	18 or 17	2 or 3	Elastomer / Elastomer	300	////

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Type	Description	AWG Size Range	Number of Conductors	Insulation / Jacket Material	Voltage	Applications
SVEO	SVE with Oil Resistant Jacket	18 or 17	2 or 3	Elastomer / Elastomer	300	////
SVE00	SVEO with Oil Resistant Insulation	18 or 17	2 or 3	Elastomer / Elastomer	300	////
SJ	Service Junior	18-10	2, 3 or 4	Rubber / Rubber	300	////
SJO	SJ with Oil Resistant Jacket	18-10	2, 3 or 4	Rubber / Neoprene	300	////
SJ00	SJO with Oil Resistant Insulation	18-10	2, 3 or 4	PVC / PVC	300	////
SJT	Service Junior Thermoplastic	18-10	2, 3 or 4	PVC / PVC	300	Hard usage indoors.
SJTO	SJT with Oil Resistant Jacket	18-10	2, 3 or 4	PVC / PVC	300	Hard usage indoors.
SJT00	SJTO with Oil Resistant Insulation	18-10	2, 3 or 4	PVC / PVC	300	Hard usage indoors.
SJTW	SJT with Outdoor Jacket	18-14	2, 3 or 4	PVC / PVC	300	Hard usage outdoors: cords for lawn equipment, etc.
SJE	Service Junior Elastomer	18-10	2, 3, 4, or 5	Elastomer / Elastomer	300	////
SJEO	SJE with Oil Resistant Jacket	18-10	2, 3, 4, or 5	Elastomer / Elastomer	300	////
SJEOW	SJEO with Outdoor Jacket	18-10	2, 3, 4, or 5	Elastomer / Elastomer	300	Hard usage outdoors: cords for lawn equipment, etc.
SJEO0	SJEO with Oil Resistant Insulation	18-10	2, 3, 4, or 5	Elastomer / Elastomer	300	Hard usage outdoors: cords for lawn equipment, etc.
S	Service	18-2	2 or more	Rubber / Rubber	600	////
SO	Service with Oil Resistant Jacket	18-2	2 or more	Rubber / Neoprene	600	////
SOO	SO with Oil Resistant Insulation	18-2	2 or more	Rubber / Neoprene	600	////
ST	Service Thermoplastic	18-2	2 or more	PVC / PVC	600	Extra hard usage indoors: Heavy industrial equipment.
STW	ST with Outdoor Jacket	18-2	2 or more	PVC / PVC	600	Extra hard usage outdoors; Construction and Industrial use.
STO	ST with Oil Resistant Jacket	18-2	2 or more	PVC / PVC	600	Extra hard usage outdoors; Construction and Industrial use.
SE	Service Elastomer	18-2	2 or more	Elastomer / Elastomer	600	Extra hard usage outdoors; Construction and Industrial use.
SEO	SE with Oil Resistant Jacket	18-2	2 or more	Elastomer / Elastomer	600	Extra hard usage outdoors; Construction and Industrial use.
SEOW	SEO with Outdoor Jacket	18-2	2 or more	Elastomer / Elastomer	600	Extra hard usage outdoors; Construction and Industrial use.
SE00	SEO with Oil Resistant Insulation	18-2	2 or more	Elastomer / Elastomer	600	Extra hard usage outdoors; Construction and Industrial use.
HPN	Heater Parallel Neoprene	18-12	2, or 3	Neoprene / No Jacket	300	////
HSJ	Heater Service Junior	18-12	2, 3 or 4	Neoprene / Rubber	300	////
HSJO	HSJ with Oil Resistant Jacket	18-12	2, 3 or 4	Neoprene / Neoprene	300	////
HS	Heater Service	14-12	2, 3 or 4	Neoprene / Rubber	300	////
HSD	HS with Oil Resistant Jacket	14-12	2, 3 or 4	Neoprene / Neoprene	300	////
SRDT	////	10-6	3 or more	Vinyl Plastic	N/A	Range and Dryer Cords