Appendice H. Style, definizione e riferimenti
Appendix H. Style, definition and reference

La costruzione di ogni conduttore è definita da uno "style number" che identifica una scheda contenente gli aspetti costruttivi del conduttore. La scheda include le temperature e le tensioni ammesse, le dimensioni del conduttore ed il materiale, il materiale e lo spessore dell'isolamento, il materiale e lo spessore dell'eventuale guaina, eventuali rivestimenti e schermi, la norma base di riferimento e l'impiego.
Underwriters Laboratories Inc. suddivide gli "style number" in 5 sezioni dalla 1 alla 5 all'interno delle quali suddivide gli Appliance Wiring Material (conduttori x applicazioni di cablaggio). Le sezioni 1 e 2 sono costituite da prodotti realizzati con isolamento e guaina in materiale termoplastico quale il polivinile di coloruro PVC, il polietilene PE, il polipropilene PP, le sezioni 3 e 4 sono costituite da prodotti realizzati in materiale termoindurente quale la gomma, il polietilene reticolato XLPE. La sezione 5 è costituita da prodotti che possono essere unipolari o multipolari e l'isolamento e la guaina possono essere realizzate in materiali composti o con nastri di ricopertura.

The manufacture of each wire is specified by a "style number" identifying a chart with all the manufacturing aspects of the wire. The chart includes the allowed temperatures and voltages, the wiring dimensions and material, the insulation material and thickness, the material and thickness of the possible conduit , possible jackets and shields, the reference standard and the use. Underwriters Laboratories Inc. divides the "style numbers" in 5 sections from 1 to 5. Inside them are classified the Appliance Wiring Materials.
Sections 1 and 2 include products manufactured with insulation and conduit made of a thermoplastic material such as the polyvinil chloride PVC, the polyethylene PE, the polypropylene PP; sections 3 and 4 include products manufactured with thermosetting material such as the rubber, the cross-linked polyethylene XLPE. Section 5 includes products which can be either single core or multicore, while insulation and conduit can be made of composite materials or with protection bands.

Tabella H.1. Classificazione degli style
Table H.1. Classification of styles

Style	Sezione *Size*	Tipologia *Type*
1000 – 1999 e 10000	1	Singolo conduttore, isolamento in materiale termoplastico *Single conductor, thermoplastic - insulated wire*
2000 – 2999 e 20000	2	Multi-conduttore, isolamento e guaina termoplastica *Multi-conductor, thermoplastic - insulated and jacketed wire*
3000 – 3999	3	Singolo conduttore, isolamento termoindurente *Single conductor, thermosetting - insulated wire*
4000 – 4999	4	Multi-conduttore, isolamento e guaina termoindurente *Multi-conductor, thermosetting - insulated and jacketed wire*
5000 – 5999	5	Singolo conduttore e multi-conduttore speciali *Single and multiple conductor specialty items*

Di seguito vengono riassunte in tabella le principali caratteristiche costruttive definite nei relativi "style number" dei cavi elettrici trattati nel presente documento.
Here are resumed the main manufacturing characteristics specified in the respective "style numbers" of the electrical cables described in this document.

Tabella H.2. Aspetti costruttivi richiamati dagli style
Table H.2. Manufacturing aspects recalled by the styles

Style	Prodotto *Product*	Temperatura Tensione *Temperature Voltage*	Sezione conduttore Isolamento *Conductor's section Insulation*	Assemblaggio *Assembly*	Ricopertura Schermo *Jacket Shield*	Nastratura Guaina *Braid Conduit*	Impiego *Use*
1015	PVC Insulated Wire	80°C, 90°C or 105°C	30 AWG ÷ 2000 kcmil.	-	-	-	Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable). Tags may also indicate the following: 2,500 V peak - for electronic use only.
		600Vac, 750Vdc	PVC insulation.		-	-	
1284	Thermoplastic (PVC) - Insulated Wire for Appliance Hook-Up Use	105°C	8 AWG ÷ 1000 MCM. Tinned or bare copper.	-	-	-	Internal wiring of appliances; or internal wiring of appliances where exposed to oil at a temperature not exceeding 60°C or 80°C (whichever is applicable).
		600V	PVC Insulation.		-	-	
2464	PVC Jacketed Cable	80°C	-	Two or more singles, twisted pairs of groups of twisted singles twisted together or singles or groups of singles may be laid parallel to form flat, oval or round cable. Lay not specified. Barrier layer and/or fillers optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.	Optional	Optional	Internal wiring or external interconnection of electronic equipment (such as desk-type calculators, dictating machines, or x-ray equipment).
		300 V	Labeled or complying with manufacturer's AWM Procedure having a minimum rating of 80°C and 300 V		Optional	PVC, Class 43	
2570	PVC Jacketed Cable	80°C	40 AWG minimum	Consists of two or more conductors, twisted pairs or groups of twisted conductors twisted together. The conductors or groups of conductors may be laid parallel forming a flat, oval or round cable. The lay of the conductors is not specified. A barrier layer and/or fillers are optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.	Optional: a 6 mil or heavier PVC covering may be extruded over the conductor assembly	-	External interconnection or internal wiring of electronic equipment.
		600 or 1000V	Labeled or complying with Manufacturer's AWM Procedure having a minimum rating of 80°C, 600 or 1000V.		Optional	PVC, Class 43	
2587	PVC Jacketed Cable	90°C	40 AWG minimum	Consists of two or more conductors, twisted pairs or groups of twisted conductors twisted together. The conductors or groups of conductors may be laid parallel forming a flat, oval or round cable. The lay of the conductors is not specified. A barrier layer and/or fillers are optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.	Optional: a 6 mil or heavier PVC covering may be extruded over the conductor assembly.	-	External interconnection or internal wiring of electronic equipment.
		600V	Labeled or complying with Manufacturer's AWM Procedure having a minimum rating of 90°C, 600V.		Optional	PVC, Class 43	
2919	Low Voltage Computer Cable	80°C	40 AWG minimum	Consists of two or more conductors, twisted pairs or groups of twisted conductors twisted together. The conductors or groups of conductors may be laid parallel forming a flat, oval or round cable. The lay of the conductors is not specified. A barrier layer and/or fillers are optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.	Optional: a 6 mil or heavier PVC covering may be extruded over the conductor assembly	Optional	As internal wiring or external interconnection in Class 2 Circuits of electronic computers and electric business machines.
		30V	Labeled or complying with Manufacturer's AWM Procedure having a minimum rating of 80°C, 30V.		Optional	PVC, Class 43	

Style	Prodotto *Product*	Temperatura Tensione *Temperature* *Voltage*	Sezione conduttore Isolamento *Conductor's section* *Insulation*	Assemblaggio *Assembly*	Ricopertura Schermo *Jacket Shield*	Nastratura Guaina *Braid Conduit*	Impiego *Use*
20233	Multi-Conductor Jacketed Cable	80°C	36 AWG minimum. Solid or Stranded.	Two or more individually insulated conductors or groups ofinsulated conductors cabled together to form a round cable. A flat or oval cable may also be constructed with not more than three rows of single conductors or groups of conductors. The length of lay of the twisted conductors or groups is not specified. Fillers may be used in a cable but are not required. A barrier layer, if employed, may be a fibrous wrap serving, or braid, paper, nylon, oriented polyethylene terephthalate, or thermoplastic-tape wrap. Such a barrier layer would serve to protect the cable during further processing and would be applied immediately over the twisted assembly of individual conductors or groups of conductors.	Optional	Optional	External interconnection of electronic equipment.
		300V	Labeled or complying with manufacturer's AWM Procedure and Having a min rating of 80°C and 300V. The designations of all styles of individual conductors used in making up the cable assembly shall be available.		Optional	Poly-urethane	
20234	Thermoplastic Polyurethane Jacketed Cable	80°C	36 AWG minimum. Solid or stranded	Two or more individually insulated conductors or groups ofinsulated conductors cabled together to form a round cable. A flat or oval cable may also be constructed with not more than three rows of single conductors or groups of conductors. The length of lay of the twisted conductors orgroups is not specified. Fillers may be used in a cable but are not required. A barrier layer, if employed, may be a fibrous wrap serving, or braid; paper; nylon; oriented polyethylene terephthalate; or thermoplastic-tape wrap. Such a barrier layer would serve to protect the cable during further processing and would be applied immediately over thetwisted assembly of individual conductors or groups of conductors.	Optional	Optional	External interconnection of electronic equipment.
		600 or 1000V	Labeled or complying with manufacturer's AWM Procedure and having a minimum rating of 80°C and 600V or 1000V respectively.		Optional	Poly-urethane	
20236	Polyurethane Jacketed Cable	80°C	36 AWG minimum. Solid or stranded	Two or more individually insulated conductors or groups of insulated conductors cabled together to form a round cable. A flat or oval cable may also be constructed with not more than three rows of single conductors or groups of conductors. The length of lay of the twisted conductors or groups is not specified. Fillers may be used in a cable but are not required. A barrier layer, if employed, may be a fibrous wrap serving, or braid; paper; nylon; oriented polyethylene terephthalate; thermoplastic covering, or thermoplastic-tape wrap.	Optional: 4 mil or heavier wall of PVC or other thermoplastic covering may be extruded over the conductor assembly or groups of conductors (with or without shields)	-	Internal wiring or external interconnection of electronic equipment.
		30V	Labeled or complying with manufacturer's AWM Procedure and having a min rating of 80°C and 30V. The designations of all styles of individual conductors used in making up the cable assembly shall be available.		Optional	Poly-urethane	
20554	Polyurethane Jacketed Cable	80°C	40 AWG minimum	Consists of two or more conductors, twisted pairs or groups of twisted conductors twisted together. The conductors or groups of conductors may be laid parallelforming a flat, oval or round cable. The lay of the conductor is not specified. A barrier layer and/or fillers are optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.	Optional: a 6 mil or heavier covering may be extruded over the conductor assembly	-	Internal wiring of electronic equipment and appliances.
		30V	Labeled or complying with Manufacturer's AWM Procedure having a minimum rating of 80°C, 30V.		Optional	Poly-urethane	
20886	PVC Jacketed Cable	80°C, 90°C or 105°C	40 AWG minimum	Consists of two or more conductors, twisted pairs or groups of twisted conductors twisted together. The conductors or groups of conductors may be laid parallel forming a flat, oval or round cable. The lay of the conductors is not specified. A barrier layer and/or fillers are optional. May use same or mixed AWG size.	Optional: a 6 mil or heavier PVC covering may be extruded over the conductor assembly	-	External interconnection or internal wiring of electronic equipment.
		1000Vac, 1200Vdc	Labeled or complying with 1000Vac, 1200Vdc and a temperature rating equalling or exceeding the rating of the cable.		Optional	PVC, Class 43	