

Title (en)  
Cable with wear indicator

Title (de)  
Kabel mit Verschleißanzeige

Title (fr)  
Câble avec indicateur d'usure

Publication  
**EP 2669901 B1 20150916 (DE)**

Application  
**EP 12305609 A 20120601**

Priority  
EP 12305609 A 20120601

Abstract (en)  
[origin: EP2669901A1] The cable or wire has an electrical or optical conductor (1) enclosed by outer sheaths. The outer sheaths are used as a display device for displaying a wear state and comprise a first polymer mixture layer (4) forming an outer surface of the cable. A second polymer mixture layer (5) is arranged within the first polymer mixture layer. The second polymer mixture layer constantly exhibits a color different from a color of the first mixture layer, where color is contrasting color or complementary color. A third polymer mixture layer (6) is arranged within the second mixture layer. The color is purple, blue or black, green, yellow, red and orange. An independent claim is also included for a method for operating an electrical device with a cable or a wire.

IPC 8 full level  
**H01B 7/18** (2006.01); **H01B 7/32** (2006.01)

CPC (source: EP)  
**H01B 7/1875** (2013.01); **H01B 7/32** (2013.01)

Cited by  
CN105427931A; DE102019105240A1; EP3142125A1; US2014150709A1; US2014150710A1; US9244046B2; US9250220B2; US11867718B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2669901 A1 20131204; EP 2669901 B1 20150916**

DOCDB simple family (application)  
**EP 12305609 A 20120601**